

## MELSEC-L series <I/O modules>

| Programmable controller module model |                  | Unit type                                  |                                            |                         |                            | Model                                      |                               | Connection cable                          |                             |                                                              |                                                                                |                         |                |                             |                |  |
|--------------------------------------|------------------|--------------------------------------------|--------------------------------------------|-------------------------|----------------------------|--------------------------------------------|-------------------------------|-------------------------------------------|-----------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|----------------|-----------------------------|----------------|--|
| LX10                                 | AC               | Junction terminal block                    | Screw                                      |                         | 1-wire type                | FA-TB161AC                                 | P.147                         | FA-CBL**D                                 | P.179                       |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         | 2-wire type                | FA-TB161ACC2                               | P.148                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| LX28                                 | AC               | Junction terminal block                    | Screw                                      |                         | 1-wire type                | FA-TB18XY                                  | P.147                         | FA-CBL**D                                 | P.179                       |                                                              |                                                                                |                         |                |                             |                |  |
| LX40C6                               | Positive common  | Junction terminal block                    | Spring clamp                               |                         | 1-wire type                | FA1-TE2SV16XY                              | P.122                         | FA-CBL**M20<br>FA-CBL**YM20               | P.163<br>P.164              |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA1-TE1SV16XY                              | P.122                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            | Screw                                      | 1-wire type             |                            | FA-TB16XY                                  | P.128                         | FA-CBL**D                                 | P.179                       |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | 1-wire type             |                            | FA-TB161AC                                 | P.147                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | 2-wire type             |                            | FA-TB161ACC2                               | P.148                         | FA-CBL**M20<br>FA-CBL**YM20               | P.163<br>P.164              |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | 3-row terminal block    |                            | 3-wire type                                | FA-TB16XYPN                   |                                           |                             | P.130                                                        |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-TB16XYPN3                               | P.131                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            | e-CON                                      |                         | DIN rail installation only | 3-wire type                                | FA-LEB16XY                    | P.144                                     | FA-CBL**M20<br>FA-CBL**YM20 | P.163<br>P.164                                               |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            | FA-LEB16XY-D                  | P.144                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            | Digital signal converter (terminal module) | Spring clamp            | Installation base unit     | Module selectable type                     | Independent                   | FA1-TH4X2SC20S1E Mountable module ▶ P.279 |                             | P.232                                                        | FA-CBL**M20<br>FA-CBL**YM20<br>FA-CBL**MMH20<br>(for distributed installation) | P.163<br>P.164<br>P.169 |                |                             |                |  |
|                                      |                  | FA1-TH8X2SC20S1E Mountable module ▶ P.279  |                                            |                         |                            |                                            |                               | P.232                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | FA1-TH4X24RA1L20S1E                        |                                            |                         |                            |                                            |                               | P.226                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | FA1-TH8X24RA1L20S1E                        |                                            |                         |                            |                                            |                               | P.228                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | FA1-TH16X24RA1L20S1E                       |                                            |                         |                            |                                            |                               | P.230                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | FA1-TH4X24RA1H20S1E                        |                                            |                         |                            |                                            |                               | P.226                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 24VDC, N/O contact relay (positive common) |                                            |                         | Module mixing possible     | FA1-TH8X24RA1H20S1E                        |                               | P.228                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA1-TH16X24RA1H20S1E                       |                               | P.230                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 24VDC, N/O contact relay (negative common) |                               | Module mixing possible                    | Independent                 | FA-TH16XRA20S                                                |                                                                                |                         | P.234          | FA-CBL**M20<br>FA-CBL**YM20 | P.163<br>P.164 |  |
|                                      |                  |                                            |                                            |                         |                            | 24VDC, 10mA                                |                               |                                           |                             | FA-TH16X24D31                                                |                                                                                |                         | P.235          |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 48VDC, 5mA                                 |                               |                                           |                             | FA-TH16X24D31L                                               |                                                                                |                         | P.236          |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 100VDC, 2.5mA                              |                               |                                           |                             | FA-TH16X48D31L                                               |                                                                                |                         | P.237          |                             |                |  |
|                                      |                  | 100VDC, 2.5mA                              |                                            | FA-TH16X100D31L         | P.238                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 100VAC, 8mA                                |                                            | FA-TH16X100A31          | P.239                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 200VAC, 7.5mA                              |                                            | FA-TH16X100A31L         | P.240                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | FA-TH16X200A31          | P.241                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | FA-TH16X200A31L         | P.242                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | Negative common                            |                                            | Junction terminal block | Spring clamp               |                                            | 1-wire type                   | FA1-TE2SV16XY                             | P.122                       | FA-CBL**M20<br>FA-CBL**YM20                                  | P.163<br>P.164                                                                 |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            |                               | FA1-TE1SV16XY                             | P.122                       |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         | Screw                      | 1-wire type                                |                               | FA-TB16XY                                 | P.128                       | FA-CBL**D                                                    | P.179                                                                          |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 1-wire type                                |                               | FA-TB161AC                                | P.147                       |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 2-wire type                                |                               | FA-TB161ACC2                              | P.148                       | FA-CBL**M20<br>FA-CBL**YM20                                  | P.163<br>P.164                                                                 |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | 3-row terminal block                       |                               | 3-wire type                               | FA-TB16XYPN                 |                                                              |                                                                                | P.130                   |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            |                               | FA-TB16XYPN3                              | P.131                       |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            | e-CON                                      |                         | DIN rail installation only | 3-wire type                                | FA-LEB16XY                    | P.144                                     | FA-CBL**M20<br>FA-CBL**YM20 | P.163<br>P.164                                               |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-LEB16XY-D                               | P.144                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      | LX41C4<br>LX42C4 |                                            | Positive common                            |                         | Junction terminal block    | Spring clamp                               |                               | 1-wire type                               | FA1-TE2SD32XY               | P.120                                                        | FA-CBL**FMV                                                                    | P.156                   |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            | FA1-TESV32XY                  | P.120                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            | FA1-TE1S32XY                  | P.120                                     |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | Screw                   |                            | 1-wire type                                |                               | FA-TB32XY                                 | P.128                       | FA-CBL**FMV<br>FA-CBL**MMH<br>(for distributed installation) |                                                                                |                         | P.156<br>P.166 |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            |                               |                                           | FA-TBS32XY                  |                                                              |                                                                                |                         |                | P.129                       |                |  |
|                                      |                  | 1-wire type                                |                                            |                         |                            | FA-TB32XYL                                 | P.129                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 2-wire type                                |                                            |                         |                            | FA-TB32XYN3                                | P.130                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 3-wire type                                |                                            |                         |                            | FA-TB8XY1                                  | P.133                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-TB8XY2                                  | P.133                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-TB8XY3                                  | P.133                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-TB8XY4                                  | P.133                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| FA-TB16XY1N                          |                  |                                            |                                            |                         |                            | P.132                                      |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| FA-TB16XY2N                          |                  |                                            |                                            |                         |                            | P.132                                      |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| 3-wire type                          |                  | FA-TB16XY1                                 |                                            | P.134                   |                            |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | FA-TB16XY2                                 |                                            | P.134                   |                            |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | One-touch connector                        |                                            | 3-wire type             |                            | FA-CB8XY1                                  | P.141                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-CB8XY2                                  | P.141                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-CB8XY3                                  | P.141                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            | FA-CB8XY4                                  | P.141                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| 3-wire type                          |                  |                                            |                                            | FA-CB16XY1              |                            | P.142                                      |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | FA-CB16XY2              | P.142                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| e-CON                                |                  | 3-wire type                                |                                            | FA-LEB32XY              | P.145                      | FA-CBL**FMV                                | P.156                         |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | FA-LEB32XY-3            | P.145                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            | FA-LEB32XY-3A           | P.145                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
| Junction terminal block              | Spring clamp     |                                            |                                            | 1-wire type             | FA1-TE2SV16XY              | P.122                                      | FA-CBL**FM2V<br>FA-CBL**FM2LV | P.157<br>P.158                            |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         | FA1-TE1SV16XY              | P.122                                      |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      | Screw            | 1-wire type                                |                                            | FA-TB16XY               | P.128                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 1-wire type                                |                                            | FA-TB16XYPN             | P.130                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  | 3-wire type                                |                                            | FA-TB16XYPN3            | P.131                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      | e-CON            |                                            |                                            | 3-wire type             | FA-LEB16XY                 | P.144                                      |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            | FA-LEB16XY-D                               |                         | P.144                      |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |
|                                      |                  |                                            |                                            |                         |                            |                                            |                               |                                           |                             |                                                              |                                                                                |                         |                |                             |                |  |

\*: For the restrictions, refer to the precautions described in the corresponding manual.

| Programmable controller module model |                                            | Unit type                                  |                                                                     |                                            |                                           | Model             |                                                               | Connection cable                                              |                                                                                  |                      |                                                                 |                              |              |
|--------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|-------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------|------------------------------|--------------|
| LX41C4<br>LX42C4                     | Positive common                            | Digital signal converter (terminal module) | Spring clamp                                                        | Installation base unit                     | Module selectable type                    | Independent       | FA1-TH4X2SC20S1E Mountable module ▶ P.279                     | P.232                                                         | FA-CBL**FM2V<br>FA-CBL**FM2LV<br>FA-CBL**MMH20<br>(for distributed installation) | P157<br>P158<br>P169 |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     | 24VDC, N/O contact relay (positive common) | Module mixing possible                    |                   | FA1-TH8X2SC20S1E Mountable module ▶ P.279                     | P.232                                                         |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   | FA1-TH4X24RA1L20S1E                                           | P.226                                                         |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   | FA1-TH8X24RA1L20S1E                                           | P.228                                                         |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   | FA1-TH16X24RA1L20S1E                                          | P.230                                                         |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     | FA1-TH4X24RA1H20S1E                        | P.226                                     |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | FA1-TH8X24RA1H20S1E                                                 | P.228                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | FA1-TH16X24RA1H20S1E                                                | P.230                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | 24VDC, N/O contact relay                                            | Module replaceable                         | Independent                               | FA-TH16XRA20S     | P.234                                                         | FA-CBL**FM2V<br>FA-CBL**FM2LV                                 | P157<br>P158                                                                     |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | FA-TH16X24D31     | P.235                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | FA-TH16X24D31L    | P.236                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | 48VDC, 5mA        | 2-wire type                                                   |                                                               |                                                                                  | FA-TH16X48D31L       | P.237                                                           |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | 100VDC, 2.5mA     | 2-wire type                                                   |                                                               |                                                                                  | FA-TH16X100D31L      | P.238                                                           |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | 100VAC, 8mA       | 2-wire type                                                   |                                                               |                                                                                  | FA-TH16X100A31       | P.239                                                           |                              |              |
|                                      | 200VAC, 7.5mA                              | 2-wire type                                | FA-TH16X100A31L                                                     | P.240                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | FA-TH16X200A31                                                      | P.241                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | FA-TH16X200A31L                                                     | P.242                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | Negative common                                                     | Junction terminal block                    | Spring clamp                              |                   | 1-wire type                                                   | FA1-TE2SD32XY                                                 | P.120                                                                            | FA-CBL**FMVE         | P159                                                            |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   |                                                               | FA1-TE3V32XY                                                  | P.120                                                                            |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   |                                                               | FA1-TE1S32XY                                                  | P.120                                                                            |                      |                                                                 |                              |              |
|                                      | Screw                                      | Small-size terminal block                  |                                                                     |                                            | 1-wire type                               | FA-TB32XY         | P.128                                                         | FA-CBL**FMVE<br>FA-CBL**MMH<br>(for distributed installation) | P159<br>P168                                                                     |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | FA-TBS32XY        | P.129                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | LED               | 1-wire type                                                   |                                                               |                                                                                  | FA-TB32XYH           | P.129                                                           |                              |              |
|                                      |                                            |                                            | 3-row terminal block                                                |                                            |                                           | 2-wire type       | FA-TB32XYP3                                                   |                                                               |                                                                                  | P.130                |                                                                 |                              |              |
|                                      |                                            |                                            | Distributed 8-point (0 to 7)                                        |                                            |                                           | 3-wire type       | FA-TB8XY1                                                     |                                                               |                                                                                  | P.133                |                                                                 |                              |              |
|                                      |                                            |                                            | Distributed 8-point (8 to F)                                        |                                            |                                           |                   | FA-TB8XY2                                                     |                                                               |                                                                                  | P.133                |                                                                 |                              |              |
|                                      |                                            |                                            | Distributed 8-point (10 to 17)                                      |                                            |                                           |                   | FA-TB8XY3                                                     |                                                               |                                                                                  | P.133                |                                                                 |                              |              |
|                                      |                                            |                                            | Distributed 8-point (18 to 1F)                                      |                                            |                                           | FA-TB8XY4         | P.133                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | Distributed 16-point (0 to F)                                       |                                            |                                           | 3-wire type       | FA-TB16XY1                                                    |                                                               |                                                                                  | P.134                | FA-CBL**FMVE<br>FA-CBL**MMH<br>(for distributed installation)   | P159<br>P166                 |              |
|                                      |                                            |                                            | Distributed 16-point (10 to 1F)                                     |                                            |                                           |                   | FA-TB16XY2                                                    |                                                               |                                                                                  | P.134                |                                                                 |                              |              |
|                                      | One-touch connector                        | Distributed 8-point (0 to 7)               | 3-wire type                                                         |                                            | FA-CB8XY1                                 | P.141             | FA-CBL**FMVE<br>FA-CBL**MMH<br>(for distributed installation) | P159<br>P166                                                  |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | Distributed 8-point (8 to F)              | FA-CB8XY2         |                                                               |                                                               | P.141                                                                            |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | Distributed 8-point (10 to 17)            | FA-CB8XY3         |                                                               |                                                               | P.141                                                                            |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | Distributed 8-point (18 to 1F)            | FA-CB8XY4         |                                                               |                                                               | P.141                                                                            |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | Distributed 16-point (0 to F)             | FA-CB16XY1        |                                                               |                                                               | P.142                                                                            |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | Distributed 16-point (10 to 1F)           | FA-CB16XY2        |                                                               |                                                               | P.142                                                                            |                      |                                                                 |                              |              |
|                                      | e-CON                                      |                                            | 3-wire type                                                         |                                            | FA-LEB32XY                                | P.145             | FA-CBL**FMVE                                                  | P159                                                          |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | FA-LEB32XY-3                              | P.145             |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | FA-LEB32XY-3A                             | P.145             |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      | Common                                     | Junction terminal block                    | Spring clamp                                                        |                                            |                                           | 1-wire type       | FA1-TE2SD40P                                                  | P.124                                                         | FA-CBL**FMV-M                                                                    | P182                 |                                                                 |                              |              |
|                                      |                                            |                                            | Screw                                                               |                                            |                                           |                   | FA-TBS40P                                                     | P.139                                                         |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            | Discrete cable                                                      |                                            |                                           |                   |                                                               |                                                               |                                                                                  |                      | FA-CBL**FV<br>FA-BCBL**FFBL<br>FA-BCBL**FFBLY<br>FA-BCBL**FFBLR | P153<br>P154<br>P154<br>P154 |              |
|                                      |                                            |                                            | Spring clamp terminal block conversion module (only for the LX41C4) |                                            |                                           |                   | FA1-TE40PA                                                    | P.127                                                         |                                                                                  |                      |                                                                 |                              |              |
| LY10R2                               | Junction terminal block                    | Screw                                      |                                                                     |                                            |                                           | 1-wire type       | FA-TB161AC                                                    | P.147                                                         | FA-CBL**D                                                                        | P179                 |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | 2-wire type       | FA-TB161ACC2                                                  | P.148                                                         |                                                                                  |                      |                                                                 |                              |              |
| LY18R2A<br>LY28S1A                   | Junction terminal block                    | Screw                                      |                                                                     |                                            |                                           |                   | FA-TB18XY                                                     | P.147                                                         | FA-CBL**D                                                                        | P179                 |                                                                 |                              |              |
| LY20S6                               | Junction terminal block                    | Screw                                      |                                                                     |                                            | 1-wire type                               | FA-TB161AC        | P.147                                                         | FA-CBL**D                                                     | P179                                                                             |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | 2-wire type                               | FA-TB161ACC2      | P.148                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
| LY40NT5P                             | Junction terminal block                    | Spring clamp                               |                                                                     |                                            | 1-wire type                               | FA1-TE2SV16XY     | P.122                                                         | FA-CBL**M20<br>FA-CBL**YM20                                   | P163<br>P164                                                                     |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | FA1-TE1SV16XY     | P.122                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           | Screw             |                                                               | 1-wire type                                                   | FA-TB16XY                                                                        | P.128                | FA-CBL**D                                                       | P179                         |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   |                                                               |                                                               | 1-wire type                                                                      | FA-TB161AC           |                                                                 |                              | P.147        |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   |                                                               |                                                               |                                                                                  | 2-wire type          |                                                                 |                              | FA-TB161ACC1 |
|                                      |                                            | 3-wire type                                | FA-TB16XYPN                                                         | P.130                                      | FA-CBL**M20<br>FA-CBL**YM20               |                   |                                                               |                                                               | P163<br>P164                                                                     |                      |                                                                 |                              |              |
|                                      |                                            |                                            | FA-TB16XYPN3                                                        | P.131                                      |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            | e-CON                                      |                                                                     | 3-wire type                                | FA-LEB16XY                                | P.144             |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | FA-LEB16XY-D                              | P.144             |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            | FA1-TH4Y2SC20S1E Mountable module ▶ P.279 | P.144             |                                                               |                                                               | FA-CBL**M20<br>FA-CBL**YM20                                                      | P163<br>P164         |                                                                 |                              |              |
|                                      | FA1-TH8Y2SC20S1E Mountable module ▶ P.279  |                                            |                                                                     |                                            | P.246                                     |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      | FA1-TH16Y2SC20S1E Mountable module ▶ P.280 | P.255                                      |                                                                     |                                            |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      | FA1-TH16Y2RA20S1E                          | P.250                                      |                                                                     |                                            |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      | Digital signal converter (terminal module) | Spring clamp                               | Installation base unit                                              | Module selectable type                     | Independent                               | FA1-TH16Y1SR20S1E | P.252                                                         |                                                               |                                                                                  |                      |                                                                 |                              |              |
| Triac, 1.0A                          |                                            |                                            |                                                                     |                                            |                                           | Independent       | FA1-TH16Y1TR20S1E                                             |                                                               |                                                                                  | P.254                |                                                                 |                              |              |
| Transistor, 1.0A                     |                                            |                                            |                                                                     |                                            |                                           | Independent       |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |
|                                      |                                            |                                            |                                                                     |                                            |                                           |                   |                                                               |                                                               |                                                                                  |                      |                                                                 |                              |              |

\*: For the restrictions, refer to the precautions described in the corresponding manual.

| Programmable controller module model       | Unit type                                  |                         |                            |                        |                   | Model                                         |                                                 | Connection cable                                                                 |                                                              |                |       |       |                             |                |
|--------------------------------------------|--------------------------------------------|-------------------------|----------------------------|------------------------|-------------------|-----------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|-------|-------|-----------------------------|----------------|
| LY40NT5P                                   | Digital signal converter (terminal module) | Screw                   | N/O contact relay          |                        | 1-wire type       | FA-TH16YRA11                                  | P.256                                           | FA-CBL**M20<br>FA-CBL**YM20                                                      | P.163<br>P.164                                               |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | 2-wire type       | FA-TH16YRA21                                  | P.257                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | Independent       | FA-TH16YRA20                                  | P.258                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | Module replaceable     | 1-wire type       | FA-TH16YRA11S                                 | P.259                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | Module replaceable     | 2-wire type       | FA-TH16YRA21S                                 | P.260                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | Module mixing possible | Independent       | FA-TH16YRA20S                                 | P.261                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | Independent            | FA-TH16YRA20SL    | P.263                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | N/C contact relay          | Module mixing possible | Independent       | FA-TH16YRAB20SL                               | P.264                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | C/O contact relay          | Module replaceable     | Independent       | FA-TH16YRAC20S                                | P.265                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | Triac, 1.0A                | Module replaceable     | 1-wire type       | FA-TH16YSR11S                                 | P.266                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | 2-wire type       | FA-TH16YSR21S                                 | P.267                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | Module mixing possible | Independent       | FA-TH16YSR20S                                 | P.268                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | Transistor, 1.0A (sink)    | Module replaceable     | 1-wire type       | FA-TH16YTL11S                                 | P.269                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | 2-wire type       | FA-TH16YTL21S                                 | P.270                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | Transistor, 1.0A (source)  | Module replaceable     | 1-wire type       | FA-TH16YTH11S                                 | P.271                                           |                                                                                  |                                                              |                |       |       |                             |                |
| Transistor, 1.0A                           | Module mixing possible                     | Independent             | FA-TH16YTR20S              | P.273                  |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| Transistor, 2.0A                           |                                            | Independent             | FA-TH16Y2TR20              | P.274                  |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| LY40PT5P                                   | Junction terminal block                    | Spring clamp            |                            |                        | 1-wire type       | FA1-TE2SV16XY                                 | P.122                                           | FA-CBL**M20<br>FA-CBL**YM20                                                      | P.163<br>P.164                                               |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TE1SV16XY                                 | P.122                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-TB16XY                                     | P.128                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-TB161AC                                    | P.147                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | Screw                   |                            |                        | 1-wire type       | FA-TB161ACC2                                  | P.148                                           |                                                                                  |                                                              | FA-CBL**D      | P.179 |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | 2-wire type                                   | FA-TB16XYPN                                     |                                                                                  |                                                              |                |       | P.130 |                             |                |
|                                            |                                            |                         |                            |                        |                   | 3-wire type                                   | FA-TB16XYPN3                                    |                                                                                  |                                                              |                |       | P.131 | FA-CBL**M20<br>FA-CBL**YM20 | P.163<br>P.164 |
|                                            |                                            |                         |                            |                        |                   | 3-row terminal block                          | FA-TB16YD                                       |                                                                                  |                                                              |                |       | P.144 |                             |                |
|                                            | e-CON                                      |                         | DIN rail installation only | 3-wire type            | FA-LEB16XY        | P.144                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | FA-LEB16XY-D      | P.144                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            | Digital signal converter (terminal module) | Spring clamp            | Installation base unit     | Module selectable type | Independent       |                                               | FA1-TH1E4Y2SC20S1E<br>Mountable module ▶ P.279  | P.244                                                                            | FA-CBL**M20<br>FA-CBL**YM20                                  | P.163<br>P.164 |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA1-TH1E8Y2SC20S1E<br>Mountable module ▶ P.279  | P.246                                                                            |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA1-TH1E16Y2SC20S1E<br>Mountable module ▶ P.280 | P.249                                                                            |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | N/O contact relay       | Module mixing possible     | Independent            | Independent       | FA1-TH1E16Y2RA20S1E                           | P.251                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TH1E16Y1SR20S1E                           | P.253                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TH1E16Y1TR20S1E                           | P.248                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | Screw                   | Module mixing possible     | Independent            | Independent       | FA1-TH1E16Y2RA20S                             | P.262                                           |                                                                                  |                                                              |                |       |       |                             |                |
| FA-THE16YTH11S                             |                                            |                         |                            |                        |                   | P.272                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| FA-THE16YTR20S                             |                                            |                         |                            |                        |                   | P.275                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| LY41NT1P<br>LY42NT1P                       | Junction terminal block                    | Spring clamp            |                            |                        | 1-wire type       | FA1-TE2SD32XY                                 | P.120                                           | FA-CBL**FMV                                                                      | P.156                                                        |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TESV32XY                                  | P.120                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TE1S32XY                                  | P.120                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-TB32XY                                     | P.128                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-TBS32XY                                    | P.129                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-TB32XYL                                    | P.129                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | 2-wire type                                   | FA-TB32XYP3                                     |                                                                                  |                                                              | P.130          |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | 3-wire type                                   | FA-TB8XY1                                       |                                                                                  |                                                              | P.133          |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA-TB8XY2                                       |                                                                                  |                                                              | P.133          |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA-TB8XY3                                       |                                                                                  |                                                              | P.133          |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA-TB8XY4                                       |                                                                                  |                                                              | P.133          |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | 3-wire type                                   | FA-TB16XY1                                      |                                                                                  |                                                              | P.134          |       |       |                             |                |
|                                            |                                            | FA-TB16XY2              | P.134                      |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | One-touch connector     |                            |                        | 3-wire type       |                                               | FA-CB8XY1                                       | P.141                                                                            | FA-CBL**FMV<br>FA-CBL**MMH<br>(for distributed installation) | P.156<br>P.166 |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               | FA-CB8XY2                                       | P.141                                                                            |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-CB8XY3                                     | P.141                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-CB8XY4                                     | P.141                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         | 3-wire type                | FA-CB16XY1             | P.142             |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            | FA-CB16XY2             | P.142             |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | e-CON                   |                            |                        | 3-wire type       | FA-LEB32XY                                    | P.145                                           | FA-CBL**FMV                                                                      | P.156                                                        |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-LEB32XY-3                                  | P.145                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA-LEB32XY-3A                                 | P.145                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            | Junction terminal block | Spring clamp               |                        |                   | 1-wire type                                   | FA1-TE2SV16XY                                   | P.122                                                                            | FA-CBL**FM2V<br>FA-CBL**FM2LV                                | P.157<br>P.158 |       |       |                             |                |
| FA1-TE1SV16XY                              | P.122                                      |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| 1-wire type                                | FA-TB16XY                                  |                         |                            |                        |                   |                                               | P.128                                           |                                                                                  |                                                              |                |       |       |                             |                |
| 3-wire type                                | FA-TB16XYPN                                |                         |                            |                        |                   |                                               | P.130                                           |                                                                                  |                                                              |                |       |       |                             |                |
| Screw                                      |                                            |                         |                            | 3-wire type            | FA-TB16XYPN3      | P.131                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | FA-LEB16XY        | P.144                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | 3-wire type       | FA-LEB16XY-D                                  | P.144                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
| Digital signal converter (terminal module) | Spring clamp                               | Installation base unit  | Module selectable type     | Independent            |                   | FA1-TH4Y2SC20S1E<br>Mountable module ▶ P.279  | P.244                                           | FA-CBL**FM2V<br>FA-CBL**FM2LV<br>FA-CBL**MMH20<br>(for distributed installation) | P.157<br>P.158<br>P.169                                      |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TH8Y2SC20S1E<br>Mountable module ▶ P.279  | P.246                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   | FA1-TH16Y2SC20S1E<br>Mountable module ▶ P.280 | P.255                                           |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            | N/O contact relay                          | Module mixing possible  | Independent                | Independent            | FA1-TH16Y2RA20S1E | P.250                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | FA1-TH16Y1SR20S1E | P.252                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        | FA1-TH16Y1TR20S1E | P.254                                         |                                                 |                                                                                  |                                                              |                |       |       |                             |                |
|                                            |                                            |                         |                            |                        |                   |                                               |                                                 |                                                                                  |                                                              |                |       |       |                             |                |

| Programmable controller module model                                  | Unit type                                                                                                                        |                         |                           |                        | Model          |                                              | Connection cable                                                |                                                                                  |                                  |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|------------------------|----------------|----------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|
| LY41NT1P<br>LY42NT1P                                                  | Digital signal converter (terminal module)                                                                                       | Screw                   | N/O contact relay         |                        | 1-wire type    | FA-TH16YRA11                                 | P.256                                                           | FA-CBL**FM2V<br>FA-CBL**FM2LV<br>FA-CBL**MMH20<br>(for distributed installation) | P.157<br>P.158<br>P.169          |
|                                                                       |                                                                                                                                  |                         |                           |                        | 2-wire type    | FA-TH16YRA21                                 | P.257                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | Independent    | FA-TH16YRA20                                 | P.258                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           | Module replaceable     | 1-wire type    | FA-TH16YRA11S                                | P.259                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           | Module replaceable     | 2-wire type    | FA-TH16YRA21S                                | P.260                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           | Independent            | FA-TH16YRA20S  | P.261                                        |                                                                 |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           | Independent            | FA-TH16YRA20SL | P.263                                        |                                                                 |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | N/C contact relay         | Module mixing possible | Independent    | FA-TH16YRAB20SL                              | P.264                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | C/O contact relay         | Module replaceable     | Independent    | FA-TH16YRAC20S                               | P.265                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | Triac, 1.0A               | Module replaceable     | 1-wire type    | FA-TH16YSR11S                                | P.266                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | 2-wire type    | FA-TH16YSR21S                                | P.267                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           | Module mixing possible | Independent    | FA-TH16YSR20S                                | P.268                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | Transistor, 1.0A (sink)   | Module replaceable     | 1-wire type    | FA-TH16YTL11S                                | P.269                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | 2-wire type    | FA-TH16YTL21S                                | P.270                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | Transistor, 1.0A (source) | Module replaceable     | 1-wire type    | FA-TH16YTH11S                                | P.271                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | 1-wire type    | FA-TH16YTR20S                                | P.273                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | Transistor, 1.0A          | Module mixing possible | Independent    | FA-TH16YTR20S                                | P.273                                                           |                                                                                  |                                  |
|                                                                       | Transistor, 2.0A                                                                                                                 |                         | Independent               | FA-TH16Y2TR20          | P.274          |                                              |                                                                 |                                                                                  |                                  |
|                                                                       | Junction terminal block                                                                                                          | Spring clamp            |                           | 1-wire type            | FA1-TE2SD40P   | P.124                                        | FA-CBL**FMV-M                                                   | P.182                                                                            |                                  |
|                                                                       |                                                                                                                                  | Screw                   |                           |                        | FA-TBS40P      | P.139                                        |                                                                 |                                                                                  |                                  |
|                                                                       | Discrete cable                                                                                                                   |                         |                           |                        |                |                                              |                                                                 | FA-CBL**FV<br>FA-BCBL**FFBL<br>FA-BCBL**FFBLY<br>FA-BCBL**FFBLR                  | P.153<br>P.154<br>P.154<br>P.154 |
|                                                                       | Spring clamp terminal block conversion module (only for the LY41NT1P)                                                            |                         |                           |                        |                |                                              | FA1-TE40PA                                                      | P.127                                                                            |                                  |
|                                                                       | LY41PT1P<br>LY42PT1P                                                                                                             | Junction terminal block | Spring clamp              |                        | 1-wire type    | FA1-TE2SD32XY                                | P.120                                                           | FA-CBL**FMV                                                                      | P.156                            |
|                                                                       |                                                                                                                                  |                         |                           |                        |                | FA1-TESV32XY                                 | P.120                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        |                | FA1-TE1S32XY                                 | P.120                                                           |                                                                                  |                                  |
| FA-TB32XY                                                             |                                                                                                                                  |                         |                           |                        |                | P.128                                        |                                                                 |                                                                                  |                                  |
| FA-TBS32XY                                                            |                                                                                                                                  |                         |                           |                        |                | P.129                                        |                                                                 |                                                                                  |                                  |
| FA-TB32XYH                                                            |                                                                                                                                  |                         |                           |                        |                | P.129                                        |                                                                 |                                                                                  |                                  |
| FA-TB32XYN3                                                           |                                                                                                                                  |                         |                           |                        |                | P.130                                        |                                                                 |                                                                                  |                                  |
| FA-TB8XY1                                                             |                                                                                                                                  |                         |                           |                        |                | P.133                                        |                                                                 |                                                                                  |                                  |
| FA-TB8XY2                                                             |                                                                                                                                  |                         |                           |                        |                | P.133                                        |                                                                 |                                                                                  |                                  |
| FA-TB8XY3                                                             |                                                                                                                                  |                         |                           |                        |                | P.133                                        |                                                                 |                                                                                  |                                  |
| FA-TB8XY4                                                             |                                                                                                                                  |                         |                           |                        |                | P.133                                        |                                                                 |                                                                                  |                                  |
| FA-TB16XY1N                                                           |                                                                                                                                  |                         |                           |                        |                | P.132                                        |                                                                 |                                                                                  |                                  |
| FA-TB16XY2N                                                           |                                                                                                                                  |                         |                           |                        |                | P.132                                        |                                                                 |                                                                                  |                                  |
| FA-TB16XY1                                                            |                                                                                                                                  |                         | P.134                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-TB16XY2                                                            |                                                                                                                                  |                         | P.134                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB8XY1                                                             |                                                                                                                                  |                         | P.141                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB8XY2                                                             |                                                                                                                                  |                         | P.141                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB8XY3                                                             |                                                                                                                                  |                         | P.141                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB8XY4                                                             |                                                                                                                                  |                         | P.141                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB16XY1                                                            |                                                                                                                                  |                         | P.142                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-CB16XY2                                                            |                                                                                                                                  |                         | P.142                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-LEB32XY                                                            |                                                                                                                                  |                         | P.145                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-LEB32XY-3                                                          |                                                                                                                                  |                         | P.145                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-LEB32XY-3A                                                         |                                                                                                                                  |                         | P.145                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA1-TE2SV16XY                                                         |                                                                                                                                  |                         | P.122                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA1-TE1SV16XY                                                         |                                                                                                                                  |                         | P.122                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-TB16XY                                                             |                                                                                                                                  |                         | P.128                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-TB16XYPN                                                           |                                                                                                                                  |                         | P.130                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-TB16XYPN3                                                          |                                                                                                                                  |                         | P.131                     |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-LEB16XY                                                            |                                                                                                                                  | P.144                   |                           |                        |                |                                              |                                                                 |                                                                                  |                                  |
| FA-LEB16XY-D                                                          |                                                                                                                                  | P.144                   |                           |                        |                |                                              |                                                                 |                                                                                  |                                  |
| Digital signal converter (terminal module)                            |                                                                                                                                  | Spring clamp            | Installation base unit    | Module selectable type | Independent    | FA1-TH1E4Y2SC20S1E Mountable module ▶ P.279  | P.244                                                           | FA-CBL**FM2V<br>FA-CBL**FM2LV<br>FA-CBL**MMH20<br>(for distributed installation) | P.157<br>P.158<br>P.169          |
|                                                                       |                                                                                                                                  |                         |                           |                        |                | FA1-TH1E8Y2SC20S1E Mountable module ▶ P.279  | P.246                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        |                | FA1-TH1E16Y2SC20S1E Mountable module ▶ P.280 | P.249                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | FA1-TH1E16Y2RA20S1E       | P.251                  |                |                                              |                                                                 |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | FA1-TH1E16Y1SR20S1E       | P.253                  |                |                                              |                                                                 |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | FA1-TH1E16Y1TR20S1E       | P.248                  |                |                                              |                                                                 |                                                                                  |                                  |
|                                                                       |                                                                                                                                  | Screw                   | N/O contact relay         | Module mixing possible | Independent    | FA1-TH1E16Y2RA20S                            | P.262                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | Independent    | FA-THE16YTH11S                               | P.272                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         |                           |                        | Independent    | FA-THE16YTR20S                               | P.275                                                           |                                                                                  |                                  |
|                                                                       |                                                                                                                                  |                         | Transistor, 1.0A (source) | Module replaceable     | 1-wire type    | FA-THE16YTH11S                               | P.272                                                           |                                                                                  |                                  |
| Transistor, 1.0A                                                      |                                                                                                                                  | Module mixing possible  | Independent               | FA-THE16YTR20S         | P.275          |                                              |                                                                 |                                                                                  |                                  |
| Junction terminal block                                               |                                                                                                                                  | Spring clamp            |                           | 1-wire type            | FA1-TE2SD40P   | P.124                                        | FA-CBL**FMV-M                                                   | P.182                                                                            |                                  |
|                                                                       | Screw                                                                                                                            |                         |                           | FA-TBS40P              | P.139          |                                              |                                                                 |                                                                                  |                                  |
| Discrete cable                                                        |                                                                                                                                  |                         |                           |                        |                |                                              | FA-CBL**FV<br>FA-BCBL**FFBL<br>FA-BCBL**FFBLY<br>FA-BCBL**FFBLR | P.153<br>P.154<br>P.154<br>P.154                                                 |                                  |
| Spring clamp terminal block conversion module (only for the LY41PT1P) |                                                                                                                                  |                         |                           |                        |                | FA1-TE40PA                                   | P.127                                                           |                                                                                  |                                  |
| LH42C4NT1P                                                            | For the input side, refer to the specifications of the LX41C4. For the output side, refer to the specifications of the LY41NT1P. |                         |                           |                        |                |                                              |                                                                 |                                                                                  |                                  |
| LH42C4PT1P                                                            | For the input side, refer to the specifications of the LX41C4. For the output side, refer to the specifications of the LY41PT1P. |                         |                           |                        |                |                                              |                                                                 |                                                                                  |                                  |

\*: For the restrictions, refer to the precautions described in the corresponding manual.

| Programmable controller module model                                                                              | Unit type               |              |                                                                      | Model                     | Connection cable               |
|-------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|----------------------------------------------------------------------|---------------------------|--------------------------------|
| L02SCPU<br>L02SCPU-P<br>L02CPU<br>L02CPU-P<br>L06CPU<br>L06CPU-P<br>L26CPU<br>L26CPU-P<br>L26CPU-BT<br>L26CPU-PBT | Junction terminal block | Spring clamp |                                                                      | FA1-TE2SD40P <b>P.124</b> | FA-SCBL**FMV-M <b>P.197</b>    |
|                                                                                                                   |                         | Screw        |                                                                      | FA-TBS40P <b>P.139</b>    |                                |
|                                                                                                                   | Junction terminal block | Screw        | Conversion of positioning pulse output to differential driver output | FA-PT1LBD <b>P.201</b>    | FA-SCBL10FM2LV-LB <b>P.212</b> |
|                                                                                                                   | Junction terminal block | Screw        |                                                                      | FA-LTB20P <b>P.140</b>    | FA-SCBL10FM2LV-LB <b>P.212</b> |

\*: For the restrictions, refer to the precautions described in the corresponding manual.

## MELSEC-L series <Analog modules>

| Programmable controller module type | Programmable controller module model | Unit type               |                                                  |                        | Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Connection cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------|--------------------------------------|-------------------------|--------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     |                                      |                         |                                                  |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analog input module                 | L60ADVL8                             | Analog signal converter | Input to the programmable controller: 1 to 5V    | Module selectable type | 4-channel installation base unit<br>FA1-AT1B4X1TE <b>P.288</b><br>8-channel installation base unit<br>FA1-AT1B8X1TE <b>P.290</b><br>4-channel installation base unit<br>FA1-AT1B4X1TB <b>P.288</b><br>8-channel installation base unit<br>FA-ATB8XTB <b>P.290</b>                                                                                                                                                                                                            | Input modules for analog signal converter<br>Voltage input<br>0 to 5V FA-ATSVMI1XV05 <b>P.294</b><br>1 to 5V FA-ATSVMI1XV15 <b>P.294</b><br>-10 to 10V FA-ATSVMI1XV1010 <b>P.294</b><br>Current input<br>4 to 20mA FA-ATSVMI1XA420 <b>P.295</b><br>Distributor<br>4 to 20mA FA-ATSVMI1XD <b>P.296</b><br>RTD input<br>-200 to +650°C FA-ATSVMI1XRPT <b>P.297</b><br>0 to +100°C FA-ATSVMI1XRPT0010 <b>P.297</b><br>0 to +200°C FA-ATSVMI1XRPT0020 <b>P.297</b><br>-200 to +600°C FA-ATSVMI1XRJPT <b>P.297</b><br>Thermocouple input<br>+600 to +1700°C FA-ATSVMI1XTB <b>P.298</b><br>0 to +1600°C FA-ATSVMI1XTR <b>P.298</b><br>0 to +1600°C FA-ATSVMI1XTS <b>P.298</b><br>-200 to +1200°C FA-ATSVMI1XTK <b>P.298</b><br>0 to +400°C FA-ATSVMI1XTK0040 <b>P.298</b><br>0 to +600°C FA-ATSVMI1XTK0060 <b>P.298</b><br>0 to +800°C FA-ATSVMI1XTK0080 <b>P.298</b><br>-200 to +900°C FA-ATSVMI1XTE <b>P.298</b><br>-40 to +750°C FA-ATSVMI1XTJ <b>P.298</b><br>-200 to +350°C FA-ATSVMI1XTT <b>P.298</b><br>-200 to +1250°C FA-ATSVMI1XTN <b>P.298</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |
|                                     |                                      |                         |                                                  |                        | Installation base unit<br>FA-ATKB8XTB <b>P.292</b><br>+ Adapter<br>FA-ATKAA8XM <b>P.293</b>                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Input modules for analog signal converter<br>(The programmable controller outputs voltage.)<br>Voltage output<br>0 to 5V FA-ATSVMI1YV05 <b>P.308</b><br>0 to 10V FA-ATSVMI1YV010 <b>P.308</b><br>1 to 5V FA-ATSVMI1YV15 <b>P.308</b><br>-10 to 10V FA-ATSVMI1YV1010 <b>P.308</b><br>Current output<br>0 to 20mA FA-ATSVMI1YA020 <b>P.309</b><br>4 to 20mA FA-ATSVMI1YA420 <b>P.309</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analog output module                | L60DA4                               | Analog signal converter | Output from the programmable controller: 1 to 5V | Module selectable type | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            | Output modules for analog signal converter<br>(The programmable controller outputs voltage.)<br>Voltage output<br>0 to 5V FA-ATSVMI1YV05 <b>P.308</b><br>0 to 10V FA-ATSVMI1YV010 <b>P.308</b><br>1 to 5V FA-ATSVMI1YV15 <b>P.308</b><br>-10 to 10V FA-ATSVMI1YV1010 <b>P.308</b><br>Current output<br>0 to 20mA FA-ATSVMI1YA020 <b>P.309</b><br>4 to 20mA FA-ATSVMI1YA420 <b>P.309</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                     |                                      |                         |                                                  |                        | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analog output module                | L60DAVL8                             | Analog signal converter | Output from the programmable controller: 1 to 5V | Module selectable type | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            | Output modules for analog signal converter<br>(The programmable controller outputs voltage.)<br>Voltage output<br>0 to 5V FA-ATSVMI1YV05 <b>P.308</b><br>0 to 10V FA-ATSVMI1YV010 <b>P.308</b><br>1 to 5V FA-ATSVMI1YV15 <b>P.308</b><br>-10 to 10V FA-ATSVMI1YV1010 <b>P.308</b><br>Current output<br>0 to 20mA FA-ATSVMI1YA020 <b>P.309</b><br>4 to 20mA FA-ATSVMI1YA420 <b>P.309</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                     |                                      |                         |                                                  |                        | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analog output module                | L60DAVL8                             | Analog signal converter | Output from the programmable controller: 1 to 5V | Module selectable type | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            | Output modules for analog signal converter<br>(The programmable controller outputs voltage.)<br>Voltage output<br>0 to 5V FA-ATSVMI1YV05 <b>P.308</b><br>0 to 10V FA-ATSVMI1YV010 <b>P.308</b><br>1 to 5V FA-ATSVMI1YV15 <b>P.308</b><br>-10 to 10V FA-ATSVMI1YV1010 <b>P.308</b><br>Current output<br>0 to 20mA FA-ATSVMI1YA020 <b>P.309</b><br>4 to 20mA FA-ATSVMI1YA420 <b>P.309</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                     |                                      |                         |                                                  |                        | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analog output module                | L60DAVL8                             | Analog signal converter | Output from the programmable controller: 1 to 5V | Module selectable type | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            | Output modules for analog signal converter<br>(The programmable controller outputs voltage.)<br>Voltage output<br>0 to 5V FA-ATSVMI1YV05 <b>P.308</b><br>0 to 10V FA-ATSVMI1YV010 <b>P.308</b><br>1 to 5V FA-ATSVMI1YV15 <b>P.308</b><br>-10 to 10V FA-ATSVMI1YV1010 <b>P.308</b><br>Current output<br>0 to 20mA FA-ATSVMI1YA020 <b>P.309</b><br>4 to 20mA FA-ATSVMI1YA420 <b>P.309</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                     |                                      |                         |                                                  |                        | 4-channel installation base unit<br>FA1-AT1B4Y1TE <b>P.302</b><br>8-channel installation base unit<br>FA1-AT1B8Y1TE <b>P.304</b><br>4-channel installation base unit<br>FA1-AT1B4Y1TB <b>P.302</b><br>8-channel installation base unit<br>FA-ATB8YTB <b>P.304</b>                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                     |                                      |                         |                                                  |                        | Output modules for analog signal converter<br>(The programmable controller outputs current.)<br>Voltage output<br>0 to 5V FA-ATSAMI1YV05 <b>P.306</b><br>0 to 10V FA-ATSAMI1YV010 <b>P.306</b><br>1 to 5V FA-ATSAMI1YV15 <b>P.306</b><br>-10 to 10V FA-ATSAMI1YV1010 <b>P.306</b><br>Current output<br>0 to 20mA FA-ATSAMI1YA020 <b>P.307</b><br>4 to 20mA FA-ATSAMI1YA420 <b>P.307</b><br>Pass-through module FA-ATFTMX <b>P.313</b><br>Dummy module FA-ATNDM5 <b>P.314</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**MELSEC-L series <Positioning modules>**

| Programmable controller module type                    | Programmable controller module model | Servo amplifier or other devices                         | Type                                                                |       | Conversion module or cable model |       | Cable between conversion module and servo amplifier |       | Cable between positioning modules |         |
|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|-------|----------------------------------|-------|-----------------------------------------------------|-------|-----------------------------------|---------|
| Positioning module (differential driver output system) | LD75D1                               | MR-J5-A series                                           | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DM1J3                                       | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      | MR-J4-A series                                           | Cable with connectors                                               |       | FA-CBLQ75M2J3-1                  | P.202 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J3-A series                                           | Cable with connectors                                               |       | FA-CBLQ75M2J2-1                  | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2-A series                                           | Cable with connectors                                               |       | FA-CBLQ75M2J2-1                  | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2S-A series                                          | Cable with connectors                                               |       | FA-CBLQ75M2J2-1                  | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | For general-purpose stepping motors and servo amplifiers | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DG1                                         | P.209 | FA-CBL**Q7                        | P.20911 |
|                                                        | LD75D2<br>LD75D4                     | MR-J5-A series<br>MR-J4-A series<br>MR-J3-A series       | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DM1J3                                       | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75M2J3                    | P.202 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75M2J3-P                  | P.202 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2-A series<br>MR-J2S-A series                        | Cable with connectors                                               |       | FA-CBLQ75M2J2                    | P.204 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75M2J2-P                  | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | YASKAWA<br>Σ-II series<br>Σ-V series                     | Cable with connectors                                               |       | FA-CBLQ75Y2E3                    | P.207 |                                                     |       |                                   |         |
|                                                        |                                      | For general-purpose stepping motors and servo amplifiers | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DG1                                         | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      |                                                          | General-purpose discrete cable                                      |       | FA-CBLQ75G2                      | P.208 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | General-purpose discrete cable                                      |       | FA-CBLQ75G2-1P                   | P.208 |                                                     |       |                                   |         |
|                                                        |                                      | Spring clamp terminal block conversion module            | Spring clamp terminal block conversion module                       |       | FA1-TE40PA                       | P.127 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Spring clamp terminal block conversion module (only for the LD75D2) |       | FA1-TE40PA                       | P.127 |                                                     |       |                                   |         |
| Positioning module (open collector output system)      | LD75P1                               | MR-J5-A series                                           | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7PM1J3                                       | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      | MR-J4-A series                                           | Cable with connectors                                               |       | FA-CBLQ75PM2J3-1                 | P.202 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J3-A series                                           | Cable with connectors                                               |       | FA-CBLQ75PM2J3-1                 | P.202 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2-A series                                           | Cable with connectors                                               |       | FA-CBLQ75PM2J2-1                 | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2S-A series                                          | Cable with connectors                                               |       | FA-CBLQ75PM2J2-1                 | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | For general-purpose stepping motors and servo amplifiers | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DG1                                         | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        | LD75P2<br>LD75P4                     | MR-J5-A series<br>MR-J4-A series<br>MR-J3-A series       | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7PM1J3                                       | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75PM2J3                   | P.202 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75PM2J2                   | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | MR-J2-A series<br>MR-J2S-A series                        | Cable with connectors                                               |       | FA-CBLQ75PM2J2                   | P.204 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Cable with connectors                                               |       | FA-CBLQ75PM2J2                   | P.204 |                                                     |       |                                   |         |
|                                                        |                                      | For general-purpose stepping motors and servo amplifiers | Junction terminal block                                             | Screw | FA-LTBQ75DP                      | P.199 | FA-CBLQ7DG1                                         | P.209 | FA-CBL**Q7                        | P.209   |
|                                                        |                                      |                                                          | General-purpose discrete cable                                      |       | FA-CBLQ75G2                      | P.208 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | General-purpose discrete cable                                      |       | FA-CBLQ75G2-P                    | P.208 |                                                     |       |                                   |         |
|                                                        |                                      | Spring clamp terminal block conversion module            | Spring clamp terminal block conversion module                       |       | FA1-TE40PA                       | P.127 |                                                     |       |                                   |         |
|                                                        |                                      |                                                          | Spring clamp terminal block conversion module (only for the LD75P2) |       | FA1-TE40PA                       | P.127 |                                                     |       |                                   |         |

**MELSEC-L series <High-speed counter modules>**

| Programmable controller module model | Unit type                                     |              | Model        |       | Connection cable |       |
|--------------------------------------|-----------------------------------------------|--------------|--------------|-------|------------------|-------|
| LD62<br>LD62D                        | Junction terminal block                       | Spring clamp | FA1-TE2SD40P | P.124 | FA-SCBL**FMV-M   | P.197 |
|                                      |                                               | Screw        | FA-TBS40P    | P.139 |                  |       |
|                                      | Spring clamp terminal block conversion module |              | FA1-TE40PA   | P.127 | -                |       |