

MELSEC-F series

Programmable controller module model		Unit type				Model		Connection cable						
FX3GC-32MT/D FX3UC-16MT/D FX3UC-32MT/D FX3UC-32MT-LT FX3UC-32MT-LT2	Sink input	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY FA1-TE1SV16XY	P.122 P.122	FA-FXCBL**MMH20 P.170					
			Screw			1-wire type	FA-FXTB16XY	P.135						
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E Mountable module ▶ P.279		P.232	FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation) P.170 P.172 P.169				
							FA1-TH8X2SC20S1E Mountable module ▶ P.279		P.232					
							FA1-TH4X24RA1L20S1E FA1-TH8X24RA1L20S1E		P.226 P.228					
				Module mixing possible	FA1-TH16X24RA1L20S1E FA1-TH4X24RA1H20S1E		P.230 P.226							
					FA1-TH8X24RA1H20S1E FA1-TH16X24RA1H20S1E		P.228 P.230							
			Screw	24VDC, N/O contact relay	Module mixing possible	Independent	FA-TH16XRA20S		P.234		FA-FXCBL**MMH20 P.170			
				24VDC, 10mA			2-wire type	FA-TH16X24D31				P.235		
				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-TH16X200A31 FA-TH16X200A31L				P.241 P.242		
	Sink output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY FA1-TE1SV16XY	P.122 P.122	FA-FXCBL**MMH20 P.170					
			Screw			1-wire type	FA-FXTB16XY	P.135						
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4Y2SC20S1E Mountable module ▶ P.279		P.244	FA-FXCBL**MMH20 FA-CBL**MMH20 (for distributed installation) P.170 P.169				
							FA1-TH8Y2SC20S1E Mountable module ▶ P.279		P.246					
							FA1-TH16Y2SC20S1E Mountable module ▶ P.280		P.255					
				N/O contact relay	Module mixing possible		Independent	FA1-TH16Y2RA20S1E			P.250			
							Independent	FA1-TH16Y1SR20S1E			P.252			
							Independent	FA1-TH16Y1TR20S1E			P.254			
			Screw	N/O contact relay	Module replaceable	Independent	FA-FXTH16YRA20		P.278					
						1-wire type	FA-FXTH16YRA11S		P.277					
						Independent	FA-FXTH16YRA20S		P.276					
				Module mixing possible			Independent	FA-FXTB16X16Y			P.138	FA-FXCBL**MM2H16X16Y	P.176	
				FX3UC-64MT/D FX3UC-96MT/D	Sink input	Junction terminal block	Spring clamp				1-wire type	FA1-TE2SV16XY FA1-TE1SV16XY	P.122 P.122	FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 P.170 P.172
							Screw				1-wire type	FA-FXTB16XY FA-FXTB32X	P.135 P.136	
Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type			Independent	FA1-TH4X2SC20S1E Mountable module ▶ P.279		P.232	FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation) P.170 P.172 P.169				
							FA1-TH8X2SC20S1E Mountable module ▶ P.279		P.232					
							FA1-TH4X24RA1L20S1E FA1-TH8X24RA1L20S1E FA1-TH16X24RA1L20S1E FA1-TH4X24RA1H20S1E		P.226 P.228 P.230 P.226					
		Module mixing possible	FA1-TH8X24RA1H20S1E FA1-TH16X24RA1H20S1E				P.228 P.230							
			FA1-TH16X24RA1H20S1E				P.230							
	Screw	24VDC, N/O contact relay	Module mixing possible			Independent	FA-TH16XRA20S		P.234		FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation) P.170 P.172 P.169			
		24VDC, 10mA				2-wire type	FA-TH16X24D31		P.235					
		48VDC, 5mA				2-wire type	FA-TH16X24D31L		P.236					
		100VDC, 2.5mA				2-wire type	FA-TH16X48D31L		P.237					
		100VAC, 8mA				2-wire type	FA-TH16X100D31L		P.238					
		200VAC, 7.5mA				2-wire type	FA-TH16X100A31 FA-TH16X100A31L FA-TH16X200A31 FA-TH16X200A31L		P.239 P.240 P.241 P.242					
Sink output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY FA1-TE1SV16XY	P.122 P.122	FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 P.170 P.172						
		Screw			1-wire type	FA-FXTB16XY FA-FXTB32Y	P.135 P.137							
	Digital signal converter (terminal module)	Spring clamp	Installation base unit		Module selectable type	Independent	FA1-TH4Y2SC20S1E Mountable module ▶ P.279		P.244	FA-FXCBL**MMH20 FA-CBL**MMH20 (for distributed installation) P.170 P.169				
							FA1-TH8Y2SC20S1E Mountable module ▶ P.279		P.246					
							FA1-TH16Y2SC20S1E Mountable module ▶ P.280		P.255					
			N/O contact relay		Module mixing possible		Independent	FA1-TH16Y2RA20S1E			P.250			
							Independent	FA1-TH16Y1SR20S1E			P.252			
							Independent	FA1-TH16Y1TR20S1E			P.254			
		Screw	N/O contact relay		Module replaceable	Independent	FA-FXTH16YRA20		P.278					
						1-wire type	FA-FXTH16YRA11S		P.277					
						Independent	FA-FXTH16YRA20S		P.276					
			Module mixing possible			Independent	FA-FXTB16X16Y		P.138		FA-FXCBL**MM2H16X16Y	P.176		

Programmable controller module model		Unit type				Model		Connection cable			
FX2NC-16EX	Sink input	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY P.122 FA1-TE1SV16XY P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY P.135				
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E Mountable module ▶ P.279 P.232 FA1-TH8X2SC20S1E Mountable module ▶ P.279 P.232		FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation)	P.170 P.172 P.169	
							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				
							FA1-TH16XRA20S P.234 FA-TH16X24D31 P.235				
							FA-TH16X24D31L P.236				
			Screw	24VDC, N/O contact relay	Module mixing possible		Independent	FA-TH16X48D31L P.237 FA-TH16X100D31L P.238			
								FA-TH16X100A31 P.239 FA-TH16X100A31L P.240			
								FA-TH16X200A31 P.241 FA-TH16X200A31L P.242			
FX2NC-32EX	Sink input	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY P.122 FA1-TE1SV16XY P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY P.135 FA-FXTB32X P.136			FA-FXCBL**MM2H	P.174
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E Mountable module ▶ P.279 P.232 FA1-TH8X2SC20S1E Mountable module ▶ P.279 P.232		FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation)		
							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				
							FA-TH16XRA20S P.234 FA-TH16X24D31 P.235				
							FA-TH16X24D31L P.236				
			Screw	24VDC, N/O contact relay	Module mixing possible		Independent	FA-TH16X48D31L P.237 FA-TH16X100D31L P.238			
								FA-TH16X100A31 P.239 FA-TH16X100A31L P.240			
								FA-TH16X200A31 P.241 FA-TH16X200A31L P.242			
FX2NC-16EX-DS FX2NC-32EX-DS	Sink input	Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E Mountable module ▶ P.279 P.232 FA1-TH8X2SC20S1E Mountable module ▶ P.279 P.232		FA-FXCBL**MMH20 FA2-CB1LT**MM1H20 FA-CBL**MMH20 (for distributed installation)	P.170 P.172 P.189	
							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				
							FA-TH16XRA20S P.234 FA-TH16X24D31 P.235				
							FA-TH16X24D31L P.236				
			Screw	24VDC, N/O contact relay	Module mixing possible		Independent	FA-TH16X48D31L P.237 FA-TH16X100D31L P.238			
								FA-TH16X100A31 P.239 FA-TH16X100A31L P.240			
								FA-TH16X200A31 P.241 FA-TH16X200A31L P.242			
FX2NC-16EYT	Sink output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY P.122 FA1-TE1SV16XY P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY P.135				
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4Y2SC20S1E Mountable module ▶ P.279 P.244 FA1-TH8Y2SC20S1E Mountable module ▶ P.279 P.246		FA-FXCBL**MMH20 FA-CBL**MMH20 (for distributed installation)	P.170 P.169	
							FA1-TH16Y2SC20S1E Mountable module ▶ P.280 P.255				
							FA1-TH16Y2RA20S1E P.250 FA1-TH16Y1SR20S1E P.252				
			N/O contact relay	Module mixing possible	Independent	FA1-TH16Y1TR20S1E P.254 FA-FXTH16YRA20 P.278					
					Independent	FA-FXTH16YRA11S P.277					
					Independent	FA-FXTH16YRA20S P.276					

Programmable controller module model		Unit type				Model		Connection cable				
FX2NC-32EYT	Sink output	Junction terminal block	Spring clamp		1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170			
			Screw		1-wire type	FA-FXTB16XY	P.135					
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4Y2SC20S1E	P.244	FA-FXCBL**MMH20 FA-CBL**MMH20 (for distributed installation)	P.170 P.169		
							Mountable module ▶ P.279					
							FA1-TH8Y2SC20S1E	P.246				
				Mountable module ▶ P.279								
				FA1-TH16Y2SC20S1E	P.255							
				Mountable module ▶ P.280								
			Screw	N/O contact relay	Module mixing possible	Independent	FA1-TH16Y2RA20S1E	P.250				
						Independent	FA1-TH16Y1SR20S1E	P.252				
					Module mixing possible	Independent	FA1-TH16Y1TR20S1E	P.254				
						Independent	FA-FXTH16YRA20	P.278				
1-wire type	FA-FXTH16YRA11S	P.277										
	Independent	FA-FXTH16YRA20S	P.276									
FX3GC-32MT/DSS FX3UC-16MT/DSS FX3UC-32MT/DSS	Source input	Junction terminal block	Spring clamp		1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170			
			Screw		1-wire type	FA1-TE1SV16XY	P.122					
	Sink input	Junction terminal block	Spring clamp		1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170			
			Screw		1-wire type	FA-FXTB16XY	P.135					
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E	P.232	FA2-CB1L**MM1H20E FA2-CB1LT**MM1H20E FA-CBL**MMH20 (for distributed installation)	P.171 P.173 P.169		
							Mountable module ▶ P.279					
							FA1-TH8X2SC20S1E	P.232				
				Mountable module ▶ P.279								
				24VDC, N/O contact relay (positive common)	Module mixing possible		FA1-TH4X24RA1L20S1E	P.226				
							FA1-TH8X24RA1L20S1E	P.228				
			FA1-TH16X24RA1L20S1E			P.230						
			24VDC, N/O contact relay (negative common)	Module mixing possible	FA1-TH4X24RA1H20S1E	P.226						
					FA1-TH8X24RA1H20S1E	P.228						
					FA1-TH16X24RA1H20S1E	P.230						
			Screw	24VDC, N/O contact relay	Module mixing possible	Independent	FA-TH16XRA20S	P.234			FA2-CB1L**MM1H20E	P.171
						24VDC, 10mA	2-wire type	FA-TH16X24D31				
		48VDC, 5mA				2-wire type	FA-TH16X24D31L	P.236				
		100VDC, 2.5mA		2-wire type	FA-TH16X48D31L	P.237						
					FA-TH16X100D31L	P.238						
					FA-TH16X100A31	P.239						
		100VAC, 8mA	2-wire type	FA-TH16X100A31L	P.240							
				FA-TH16X200A31	P.241							
				200VAC, 7.5mA	2-wire type	FA-TH16X200A31L	P.242					
		Source output	Junction terminal block	Spring clamp		1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
				Screw		1-wire type	FA1-TE1SV16XY	P.122				
			Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH1E4Y2SC20S1E	P.244	FA2-CB1L**MM1H20E	P.171	
	Mountable module ▶ P.279											
	FA1-TH1E8Y2SC20S1E							P.246				
	Mountable module ▶ P.279											
	FA1-TH1E16Y2SC20S1E				P.249							
	Mountable module ▶ P.280											
	N/O contact relay			Module mixing possible	Independent	FA1-TH1E16Y2RA20S1E	P.251					
					Independent	FA1-TH1E16Y1SR20S1E	P.253					
					Independent	FA1-TH1E16Y1TR20S1E	P.248					
	Screw			N/O contact relay	Module mixing possible	Independent	FA1-TH1E16Y2RA20S	P.262				
						Module replaceable	1-wire type	FA-THE16YTH11S	P.272			
							Independent	FA-THE16YTR20S	P.275			
	I/O combined		Junction terminal block	Screw		1-wire type	FA-FXTB16X16Y	P.138	FA-FXCBL**MM2H16X16Y	P.176		
	FX3UC-64MT/DSS FX3UC-96MT/DSS		Source input	Junction terminal block	Spring clamp		1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170	
					Screw		1-wire type	FA1-TE1SV16XY	P.122			
Screw					1-wire type	FA-FXTB16XY	P.135					
Sink input		Junction terminal block	Spring clamp		1-wire type	FA-FXTB32X	P.136	FA-FXCBL**MM2H	P.174			
			Screw		1-wire type	FA1-TE2SV16XY	P.122					
		Digital signal converter (terminal module)	Junction terminal block	Spring clamp		1-wire type	FA1-TE1SV16XY	P.122	FA-FXCBL**MMH20	P.170		
				Screw		1-wire type	FA-FXTB16XY	P.135				
			Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E	P.232	FA2-CB1L**MM1H20E FA2-CB1LT**MM1H20E FA-CBL**MMH20 (for distributed installation)	P.171 P.173 P.169		
							Mountable module ▶ P.279					
							FA1-TH8X2SC20S1E	P.232				
				Mountable module ▶ P.279								
				24VDC, N/O contact relay (positive common)	Module mixing possible		FA1-TH4X24RA1L20S1E	P.226				
	FA1-TH8X24RA1L20S1E						P.228					
FA1-TH16X24RA1L20S1E	P.230											
24VDC, N/O contact relay (negative common)	Module mixing possible	FA1-TH4X24RA1H20S1E	P.226									
		FA1-TH8X24RA1H20S1E	P.228									
		FA1-TH16X24RA1H20S1E	P.230									

Programmable controller module model		Unit type					Model		Connection cable			
FX3UC-64MT/DSS FX3UC-96MT/DSS	Sink input	Digital signal converter (terminal module)	Screw	24VDC, N/O contact relay	Module mixing possible	Independent	FA-TH16XRA20S	P.234	FA2-CB1L**MM1H20E	P.171		
				24VDC, 10mA		2-wire type	FA-TH16X24D31	P.235				
				48VDC, 5mA		2-wire type	FA-TH16X24D31L	P.236				
				100VDC, 2.5mA		2-wire type	FA-TH16X48D31L	P.237				
				100VAC, 8mA		2-wire type	FA-TH16X100D31L	P.238				
						2-wire type	FA-TH16X100A31	P.239				
						2-wire type	FA-TH16X100A31L	P.240				
				200VAC, 7.5mA		2-wire type	FA-TH16X200A31	P.241				
				FA-TH16X200A31L	P.242							
	Source output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
						FA1-TE1SV16XY	P.122					
			Screw			1-wire type	FA-FXTB16XY	P.135				
						FA-FXTB32Y	P.137					
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH1E4Y2SC20S1E	P.244	FA2-CB1L**MM1H20E	P.171		
							Mountable module ▶ P.279					
							FA1-TH1E8Y2SC20S1E	P.246				
				Mountable module ▶ P.279								
				FA1-TH1E16Y2SC20S1E	P.249							
				Mountable module ▶ P.280								
			N/O contact relay	Module mixing possible	Independent	FA1-TH1E16Y2RA20S1E	P.251					
						FA1-TH1E16Y1SR20S1E	P.253					
						FA1-TH1E16Y1TR20S1E	P.248					
FA1-TH1E16Y2RA20S						P.262						
Screw	N/O contact relay	Module mixing possible	Independent	FA-TH1E16YTH11S	P.272							
				FA-THE16YTR20S	P.275							
	Transistor, 1.0A	Module replaceable	Independent	FA-THE16YTR20S	P.275							
				FA-THE16YTR20S	P.275							
I/O combined	Junction terminal block	Screw	1-wire type			FA-FXTB16X16Y	P.138	FA-FXCBL**MM2H16X16Y	P.176			
FX2C-16EX-DS	Source input	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY	P.135				
	Sink input	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY	P.135				
		Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH4X2SC20S1E	P.232	FA2-CB1L**MM1H20E FA2-CB1LT**MM1H20E FA-CBL**MMH20 (for distributed installation)	P.171 P.173 P.169			
						Mountable module ▶ P.279						
						FA1-TH8X2SC20S1E	P.232					
			Mountable module ▶ P.279									
			24VDC, N/O contact relay (positive common)	Module mixing possible	Independent	FA1-TH16X24RA1L20S1E	P.230					
						FA1-TH16X24RA1H20S1E	P.230					
		24VDC, N/O contact relay (negative common)	Module mixing possible	Independent	FA1-TH16X24RA1L20S1E	P.230						
					FA1-TH16X24RA1H20S1E	P.230						
					FA1-TH16X24RA1H20S1E	P.230						
					FA1-TH16X24RA1H20S1E	P.230						
FA1-TH16X24RA1H20S1E	P.230											
FA1-TH16X24RA1H20S1E	P.230											
FA1-TH16X24RA1H20S1E	P.230											
FA1-TH16X24RA1H20S1E	P.230											
Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH1E4Y2SC20S1E	P.244	FA2-CB1L**MM1H20E	P.171				
					Mountable module ▶ P.279							
					FA1-TH1E8Y2SC20S1E	P.246						
		Mountable module ▶ P.279										
		FA1-TH1E16Y2SC20S1E	P.249									
		Mountable module ▶ P.280										
	N/O contact relay	Module mixing possible	Independent	FA1-TH1E16Y2RA20S1E	P.251							
				FA1-TH1E16Y1SR20S1E	P.253							
				FA1-TH1E16Y1TR20S1E	P.248							
				FA1-TH1E16Y2RA20S	P.262							
Screw	N/O contact relay	Module mixing possible	Independent	FA-THE16YTH11S	P.272							
				FA-THE16YTR20S	P.275							
	Transistor, 1.0A	Module replaceable	Independent	FA-THE16YTR20S	P.275							
				FA-THE16YTR20S	P.275							
FX2NC-16EYT-DSS	Source output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY	P.135				
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH1E4Y2SC20S1E	P.244			FA2-CB1L**MM1H20E	P.171
							Mountable module ▶ P.279					
	FA1-TH1E8Y2SC20S1E						P.246					
	Mountable module ▶ P.279											
	FA1-TH1E16Y2SC20S1E			P.249								
	Mountable module ▶ P.280											
	N/O contact relay		Module mixing possible	Independent	FA1-TH1E16Y2RA20S1E	P.251						
					FA1-TH1E16Y1SR20S1E	P.253						
					FA1-TH1E16Y1TR20S1E	P.248						
					FA1-TH1E16Y2RA20S	P.262						
	Screw	N/O contact relay	Module mixing possible	Independent	FA-THE16YTH11S	P.272						
					FA-THE16YTR20S	P.275						
Transistor, 1.0A		Module replaceable	Independent	FA-THE16YTR20S	P.275							
				FA-THE16YTR20S	P.275							
FX2NC-32EYT-DSS	Source output	Junction terminal block	Spring clamp			1-wire type	FA1-TE2SV16XY	P.122	FA-FXCBL**MMH20	P.170		
			Screw			1-wire type	FA-FXTB16XY	P.135				
		Digital signal converter (terminal module)	Spring clamp	Installation base unit	Module selectable type	Independent	FA1-TH1E4Y2SC20S1E	P.244			FA2-CB1L**MM1H20E	P.171
							Mountable module ▶ P.279					
	FA1-TH1E8Y2SC20S1E						P.246					
	Mountable module ▶ P.279											
	FA1-TH1E16Y2SC20S1E			P.249								
	Mountable module ▶ P.280											
	N/O contact relay		Module mixing possible	Independent	FA1-TH1E16Y2RA20S1E	P.251						
					FA1-TH1E16Y1SR20S1E	P.253						
					FA1-TH1E16Y1TR20S1E	P.248						
					FA1-TH1E16Y2RA20S	P.262						
	Screw	N/O contact relay	Module mixing possible	Independent	FA-THE16YTH11S	P.272						
					FA-THE16YTR20S	P.275						
Transistor, 1.0A		Module replaceable	Independent	FA-THE16YTR20S	P.275							
				FA-THE16YTR20S	P.275							

MELSEC-F series <Analog I/O modules>

Programmable controller module type	Programmable controller module model	Unit type			Model	Connection cable
Analog input module	FX3U-4AD	Analog signal converter	Input to the programmable controller: 1 to 5V	Spring clamp	4-channel installation base unit FA1-AT1B4X1TE P.278	Input modules for analog signal converter Voltage input 0 to 5V FA-ATSVM1XV05 P.294 1 to 5V FA-ATSVM1XV15 P.294 -10 to 10V FA-ATSVM1XV1010 P.294 Current input 4 to 20mA FA-ATSVM1XA420 P.295 Distributor 4 to 20mA FA-ATSVM1XD P.296 RTD input -200 to +650°C FA-ATSVM1XRPT P.297 0 to +100°C FA-ATSVM1XRPT0010 P.297 0 to +200°C FA-ATSVM1XRPT0020 P.297 -200 to +600°C FA-ATSVM1XRJPT P.297 Thermocouple input +600 to +1700°C FA-ATSVM1XTB P.298 0 to +1600°C FA-ATSVM1XTR P.298 0 to +1600°C FA-ATSVM1XTS P.298 -200 to +1200°C FA-ATSVM1XTK P.298 0 to +400°C FA-ATSVM1XTK0040 P.298 0 to +600°C FA-ATSVM1XTK0060 P.298 0 to +800°C FA-ATSVM1XTK0080 P.298 -200 to +900°C FA-ATSVM1XTE P.298 -40 to +750°C FA-ATSVM1XTJ P.298 -200 to +350°C FA-ATSVM1XTT P.298 -200 to +1250°C FA-ATSVM1XTN P.298 Pass-through module FA-ATFTMX P.313 Dummy module FA-ATNDM5 P.314
					8-channel installation base unit FA1-AT1B8X1TE P.290	
				Screw	4-channel installation base unit FA1-AT1B4X1TB P.288	
					8-channel installation base unit FA-ATB8XTB P.290	
			Input to the programmable controller: 4 to 20mA	Screw	8-channel installation base unit FA-ATKB8XTB + Adapter FA-ATKAA8XM P.293	
					4-channel installation base unit FA1-AT1B4X1TE P.288	
					8-channel installation base unit FA1-AT1B8X1TE P.290	
					4-channel installation base unit FA1-AT1B4X1TB P.288	
	FX3U-4AD-ADP FX3UC-4AD FX2N-8AD	Analog signal converter	Input to the programmable controller: 1 to 5V	Spring clamp	4-channel installation base unit FA1-AT1B4X1TE P.288	Input modules for analog signal converter FA-CBL**ATF P.301 Cable for distributed installation FA1-CB2L**AT4EX P.315
					8-channel installation base unit FA1-AT1B8X1TE P.290	
			Input to the programmable controller: 4 to 20mA	Screw	4-channel installation base unit FA1-AT1B4X1TB P.288	
					8-channel installation base unit FA-ATB8XTB P.290	
Analog output module	FX3U-4DA FX3U-4DA-ADP	Analog signal converter	Output from the programmable controller: 1 to 5V	Spring clamp	4-channel installation base unit FA1-AT1B4Y1TE P.302	Output modules for analog signal converter (The programmable controller outputs voltage.) Voltage output 0 to 5V FA-ATSAM1YV05 P.308 0 to 10V FA-ATSAM1YV010 P.308 1 to 5V FA-ATSAM1YV15 P.308 -10 to 10V FA-ATSAM1YV1010 P.308 Current output 0 to 20mA FA-ATSAM1YA020 P.309 4 to 20mA FA-ATSAM1YA420 P.309 Pass-through module FA-ATFTMX P.313 Dummy module FA-ATNDM5 P.314
					8-channel installation base unit FA1-AT1B8Y1TE P.304	
				Screw	4-channel installation base unit FA1-AT1B4Y1TB P.302	
					8-channel installation base unit FA-ATB8YTB P.304	
			Output from the programmable controller: 4 to 20mA	Spring clamp	4-channel installation base unit FA1-AT1B4Y1TE P.302	
					8-channel installation base unit FA1-AT1B8Y1TE P.304	
					4-channel installation base unit FA1-AT1B4Y1TB P.302	
					8-channel installation base unit FA-ATB8YTB P.304	
	FX3U-4DA FX3U-4DA-ADP	Analog signal converter	Output from the programmable controller: 1 to 5V	Spring clamp	4-channel installation base unit FA1-AT1B4Y1TE P.302	Output modules for analog signal converter (The programmable controller outputs current.) Voltage output 0 to 5V FA-ATSAM1YV05 P.306 0 to 10V FA-ATSAM1YV010 P.306 1 to 5V FA-ATSAM1YV15 P.306 -10 to 10V FA-ATSAM1YV1010 P.306 Current output 0 to 20mA FA-ATSAM1YA020 P.307 4 to 20mA FA-ATSAM1YA420 P.307 Pass-through module FA-ATFTMX P.313 Dummy module FA-ATNDM5 P.314
					8-channel installation base unit FA1-AT1B8Y1TE P.304	
			Output from the programmable controller: 4 to 20mA	Screw	4-channel installation base unit FA1-AT1B4Y1TB P.302	
					8-channel installation base unit FA-ATB8YTB P.304	