

Accessories for the Ethernet systems

Cables and connectors












	Digital I/O, 24 V	Multifunction counter			
	MSX-E1516 MSX-E1516-NPN	MSX-E1701 MSX-E1711 MSX-E1721	New! MSX-E1731	New! MSX-E1741	
Cables: Temperature range from -25 °C to +80 °C, bent cables and special length on request					
 Voltage supply: Shielded cable, M12 5-pin female connector/open end, IP 65 CMX-20 (1.5 m), CMX-21 (3 m), CMX-22 (5 m), CMX-23 (10 m), CMX-29 (length on request)	✓	✓	✓	✓	
 Voltage supply – Cascading: Shielded cable, M12 5-pin female connector/male connector, IP 65 CMX-38 (0.6 m), CMX-30 (1 m), CMX-31 (3 m), CMX-32 (5 m), CMX-39_0,3 (0.3 m), CMX-39 (length on request)	✓	✓	✓	✓	
 Trigger/Synchro: Shielded cable, M12 5-pin female connector/open end, IP 65 CMX-40 (1.5 m), CMX-41 (3 m), CMX-42 (5 m), CMX-43 (10 m), CMX-49 (length on request)	✓	✓	✓	✓	
 Trigger/Synchro – Cascading: Shielded cable, M12 5-pin female connector/male connector, IP 65 CMX-58 (0.6 m), CMX-50 (1 m), CMX-51 (3 m), CMX-52 (5 m), CMX-59_0,3 (0.3 m), CMX-59 (length on request)	✓	✓	✓	✓	
 Ethernet: CAT5E cable, M12 D-coded male connector/RJ45 connector CMX-60 (2 m), CMX-61 (5 m), CMX-62 (10 m), CMX-69 (length on request)	✓	✓	✓	✓	
 Ethernet – Cascading: CAT5E cable, 2 x M12 D-coded male connector CMX-78 (1 m), CMX-70 (2 m), CMX-71 (5 m), CMX-72 (10 m), CMX-79_0,3 (0,3 m), CMX-79 (length on request)	✓	✓	✓	✓	
 Connecting peripheral equipment: Shielded cable, M12 5-pin male connector/open end, IP 65 CMX-80 (1.5 m), CMX-81 (3 m), CMX-83 (10 m), CMX-89 (length on request)	✓	✓	✓	✓	
 Connecting peripheral equipment: Shielded cable, M12 8-pin male connector/open end, IP 65 CMX-9x (length on request)			✓	✓	
Connectors					
 SC-M12: M12 5-pin connector for connecting open end cables	✓	✓	✓	✓	
 SC-M12-8: M12 8-pin connector for connecting open end cables					
 SC-M12-8-TC: M12 8-pin connector for connecting thermocouples with integrated cold junction compensation (CJC)					
 SC-M12-ABGW: M12 5-pin 90° bent connector for connecting open end cables	✓	✓	✓	✓	
 SC-M12-BU-ABGW: M12 5-pin 90° bent female connector for connecting open end cables	✓	✓	✓	✓	
 SC-M12-8-ABGW: M12 8-pin 90° bent connector for connecting open end cables					
 SC-M12-Y-M12: 5-pin Y-splitter cable with M12 connector to 2 x M12 female connectors	✓	✓	✓	✓	
 SC-M23: M23 12-pin connector for the direct connection of shaft encoders, gauges, and digital transducers		✓ not for MSX-E1721		✓	



Analog I/O		Analog input		Analog output		Force distance measurement		Temperature measurement	Pressure measurement	Acquisition of dynamic signals	Length measurement				Protocol interpreter
MSX-E3121	New! MSX-E3122	MSX-E3011 MSX-E3021	MSX-E3027	MSX-E3511	New! MSX-E3511-C	New! MSX-E3017	New! MSX-E3317	MSX-E3211	MSX-E3311	MSX-E3601	MSX-E3711	MSX-E3701	MSX-E3700	MSX-E3701-DIO	MSX-E7511
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
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✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
							✓	✓ (RTD)	✓						
								✓ (TC)			✓ MSX-E-3711-TC				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
						✓	✓	not suitable for TC	✓						
✓	✓														
						✓	✓				✓				

Accessories for the Ethernet systems

Clips and mounting components

		Digital I/O, 24 V	Multifunction counter		
		MSX-E1516 MSX-E1516-NPN	MSX-E1701 MSX-E1711 MSX-E1721	New! MSX-E1731	New! MSX-E1741
Screw connector binders for voltage supply: 3-pin binder, 5.08 mm grid					
	SMX-10 1-row screw connector, included in the delivery content				
	SMX-11 2-row screw connector				
	SMX-12 2-row spring-cage connector with double link				
Screw connector binders for trigger/synchro					
	SMX-20 3-pin binders, 5.08 mm grid, included in the delivery content				
Options / Mounting					
	MX-Clip 2 clips for DIN-rail mounting or for direct mounting on units	✓	✓	✓	✓
	MX-Rail Assembly equipment for DIN-rail mounting. <i>Please specify when ordering!</i>	✓	✓	✓	✓
	MX-Screw Assembly equipment for direct mounting on machines	✓	✓	✓	✓
Options / Protection caps					
	PCM-X-10: 5 x protection caps for M12 connector (4 x female, 1 x male)	✓	✓	✓	✓
	PCM-X-11: 10 x protection caps for M18 connector				
	PCM-X-12: 1 protection cap for M23 connector		✓		✓
	PCM-X-13: 10 x protection caps for M12 connector	✓	✓	✓	✓



Analog I/O		Analog input		Analog output		Force distance measurement		Temperature measurement	Pressure measurement	Acquisition of dynamic signals	Length measurement				Protocol interpreter	
MSX-E3121	New! MSX-E3122	MSX-E3011	MSX-E3021	MSX-E3027	MSX-E3511	New! MSX-E3511-C	New! MSX-E3017	New! MSX-E3317	MSX-E3211	MSX-E3311	MSX-E3601	MSX-E3711	MSX-E3701	MSX-E3700	MSX-E3701-DIO	MSX-E7511
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