

Accessories list

MSX-Exxx

Intelligent Ethernet systems



DIN EN ISO 9001:2015 certified

Edition: 02.05-11/2022

Contents

1	Product assignment.....	3
1.1	Cables.....	3
1.1.1	Power supply	3
1.1.2	Power supply (cascading)	4
1.1.3	Trigger/Synchro	5
1.1.4	Trigger/Synchro (cascading)	6
1.1.5	Ethernet.....	7
1.1.6	Ethernet (cascading)	8
1.1.7	Connection to peripherals.....	9
1.2	Connectors.....	10
1.3	Terminals	11
1.4	Options	12
1.4.1	Mounting.....	12
1.4.2	Protection caps.....	13
2	Product details	14
2.1	Cables.....	14
2.2	Connectors.....	15
2.3	Terminals	16
2.4	Options	16
2.4.1	Mounting.....	16
2.4.2	Protection caps.....	16
3	Contact and support.....	17

1 Product assignment

In this document, you will find the accessories needed for the different MSX-E systems. Detailed information on the accessories is listed in Chapter 2.

1.1 Cables

1.1.1 Power supply

Cables	CMX-20	CMX-21	CMX-22	CMX-23	CMX-29
 	1.5 m	3 m	5 m	10 m	Length on request
MSX-E1516	x	x	x	x	x
MSX-E1701	x	x	x	x	x
MSX-E1711	x	x	x	x	x
MSX-E1721	x	x	x	x	x
MSX-E1731	x	x	x	x	x
MSX-E3011	x	x	x	x	x
MSX-E3021	x	x	x	x	x
MSX-E3121	x	x	x	x	x
MSX-E3122	x	x	x	x	x
MSX-E3211	x	x	x	x	x
MSX-E3311	x	x	x	x	x
MSX-E3317	x	x	x	x	x
MSX-E3511	x	x	x	x	x
MSX-E3601	x	x	x	x	x
MSX-E3700	-	-	-	-	-
MSX-E3701	x	x	x	x	x
MSX-E3701-DIO	x	x	x	x	x
MSX-E3711	x	x	x	x	x

1.1.2 Power supply (cascading)

Cables	CMX-30	CMX-31	CMX-32	CMX-38	CMX-39	CMX-39_0,3
	1 m	3 m	5 m	0.6 m	Length on request	0.3 m
MSX-E1516	X	X	X	X	X	X
MSX-E1701	X	X	X	X	X	X
MSX-E1711	X	X	X	X	X	X
MSX-E1721	X	X	X	X	X	X
MSX-E1731	X	X	X	X	X	X
MSX-E3011	X	X	X	X	X	X
MSX-E3021	X	X	X	X	X	X
MSX-E3121	X	X	X	X	X	X
MSX-E3122	X	X	X	X	X	X
MSX-E3211	X	X	X	X	X	X
MSX-E3311	X	X	X	X	X	X
MSX-E3317	X	X	X	X	X	X
MSX-E3511	X	X	X	X	X	X
MSX-E3601	X	X	X	X	X	X
MSX-E3700	-	-	-	-	-	-
MSX-E3701	X	X	X	X	X	X
MSX-E3701-DIO	X	X	X	X	X	X
MSX-E3711	X	X	X	X	X	X

1.1.3 Trigger/Synchro

Cables	CMX-40	CMX-41	CMX-42	CMX-43	CMX-49
	1.5 m	3 m	5 m	10 m	Length on request
MSX-E1516	x	x	x	x	x
MSX-E1701	x	x	x	x	x
MSX-E1711	x	x	x	x	x
MSX-E1721	x	x	x	x	x
MSX-E1731	x	x	x	x	x
MSX-E3011	x	x	x	x	x
MSX-E3021	x	x	x	x	x
MSX-E3121	x	x	x	x	x
MSX-E3122	x	x	x	x	x
MSX-E3211	x	x	x	x	x
MSX-E3311	x	x	x	x	x
MSX-E3317	x	x	x	x	x
MSX-E3511	x	x	x	x	x
MSX-E3601	x	x	x	x	x
MSX-E3700	-	-	-	-	-
MSX-E3701	x	x	x	x	x
MSX-E3701-DIO	x	x	x	x	x
MSX-E3711	x	x	x	x	x

1.1.4 Trigger/Synchro (cascading)

Cables	CMX-50	CMX-51	CMX-52	CMX-58	CMX-59	CMX-59_0,3
	1 m	3 m	5 m	0.6 m	Length on request	0.3 m
MSX-E1516	X	X	X	X	X	X
MSX-E1701	X	X	X	X	X	X
MSX-E1711	X	X	X	X	X	X
MSX-E1721	X	X	X	X	X	X
MSX-E1731	X	X	X	X	X	X
MSX-E3011	X	X	X	X	X	X
MSX-E3021	X	X	X	X	X	X
MSX-E3121	X	X	X	X	X	X
MSX-E3122	X	X	X	X	X	X
MSX-E3211	X	X	X	X	X	X
MSX-E3311	X	X	X	X	X	X
MSX-E3317	X	X	X	X	X	X
MSX-E3511	X	X	X	X	X	X
MSX-E3601	X	X	X	X	X	X
MSX-E3700	-	-	-	-	-	-
MSX-E3701	X	X	X	X	X	X
MSX-E3701-DIO	X	X	X	X	X	X
MSX-E3711	X	X	X	X	X	X

1.1.5 Ethernet

Cables	CMX-60	CMX-61	CMX-62	CMX-69
	2 m	5 m	10 m	Length on request
MSX-E1516	x	x	x	x
MSX-E1701	x	x	x	x
MSX-E1711	x	x	x	x
MSX-E1721	x	x	x	x
MSX-E1731	x	x	x	x
MSX-E3011	x	x	x	x
MSX-E3021	x	x	x	x
MSX-E3121	x	x	x	x
MSX-E3122	x	x	x	x
MSX-E3211	x	x	x	x
MSX-E3311	x	x	x	x
MSX-E3317	x	x	x	x
MSX-E3511	x	x	x	x
MSX-E3601	x	x	x	x
MSX-E3700	-	-	-	-
MSX-E3701	x	x	x	x
MSX-E3701-DIO	x	x	x	x
MSX-E3711	x	x	x	x

1.1.6 Ethernet (cascading)

Cables	CMX-70	CMX-71	CMX-72	CMX-78	CMX-79	CMX-79_0,3
	2 m	5 m	10 m	1 m	Length on request	0.3 m
MSX-E1516	x	x	x	x	x	x
MSX-E1701	x	x	x	x	x	x
MSX-E1711	x	x	x	x	x	x
MSX-E1721	x	x	x	x	x	x
MSX-E1731	x	x	x	x	x	x
MSX-E3011	x	x	x	x	x	x
MSX-E3021	x	x	x	x	x	x
MSX-E3121	x	x	x	x	x	x
MSX-E3122	x	x	x	x	x	x
MSX-E3211	x	x	x	x	x	x
MSX-E3311	x	x	x	x	x	x
MSX-E3317	x	x	x	x	x	x
MSX-E3511	x	x	x	x	x	x
MSX-E3601	x	x	x	x	x	x
MSX-E3700	-	-	-	-	-	-
MSX-E3701	x	x	x	x	x	x
MSX-E3701-DIO	x	x	x	x	x	x
MSX-E3711	x	x	x	x	x	x

1.1.7 Connection to peripherals

Cables	CMX-80	CMX-81	CMX-83	CMX-89	Cables	CMX-9x
	1.5 m	3 m	10 m	Length on request		Length on request
MSX-E1516	X	X	X	X		-
MSX-E1701	X	X	X	X		-
MSX-E1711	X	X	X	X		-
MSX-E1721	X	X	X	X		-
MSX-E1731	X	X	X	X		-
MSX-E3011	X	X	X	X		-
MSX-E3021	X	X	X	X		-
MSX-E3121	X	X	X	X		X
MSX-E3122	X	X	X	X		X
MSX-E3211	-	-	-	-		X
MSX-E3311	-	-	-	-		X
MSX-E3317	X	X	X	X		X
MSX-E3511	X	X	X	X		-
MSX-E3601	-	-	-	-		-
MSX-E3700	-	-	-	-		-
MSX-E3701	-	-	-	-		-
MSX-E3701-DIO	X	X	X	X		-
MSX-E3711	-	-	-	-		-

1.2 Connectors

Connectors	SC-M12 SC-M12-ABGW SC-M12-BU-ABGW			SC-M12-8 SC-M12-8-ABGW SC-M12-8-TC			SC-M12-Y-M12	SC-M23
								
MSX-E1516	X	X		-	-		X	-
MSX-E1701	X	X		-	-		X	X
MSX-E1711	X	X		-	-		X	X
MSX-E1721	X	X		-	-		X	X
MSX-E1731	X	X		-	-		X	X
MSX-E3011	X	X		-	-		X	-
MSX-E3021	X	X		-	-		X	-
MSX-E3121	X	X		-	-		X	-
MSX-E3122	X	X		-	-		X	-
MSX-E3211	X	X		X		X	-	-
MSX-E3311	X	X		X		-	-	-
MSX-E3317	X	X		X		-	X	X
MSX-E3511	X	X		-		-	X	-
MSX-E3601	X	-		-		-	-	-
MSX-E3700	-	-		-		-	-	-
MSX-E3701	X	-		-		-	-	-
MSX-E3701-DIO	X	-		-		-	-	-
MSX-E3711	X	-		-		-	-	X

1.3 Terminals

Terminals	Power supply			Trigger/Synchro
	SMX-10	SMX-11	SMX-12	SMX-20
				
MSX-E1516	-	-	-	-
MSX-E1701	-	-	-	-
MSX-E1711	-	-	-	-
MSX-E1721	-	-	-	-
MSX-E1731	-	-	-	-
MSX-E3011	-	-	-	-
MSX-E3021	-	-	-	-
MSX-E3121	-	-	-	-
MSX-E3122	-	-	-	-
MSX-E3211	-	-	-	-
MSX-E3311	-	-	-	-
MSX-E3317	-	-	-	-
MSX-E3511	-	-	-	-
MSX-E3601	-	-	-	-
MSX-E3700	x	x	x	x
MSX-E3701	-	-	-	-
MSX-E3701-DIO	-	-	-	-
MSX-E3711	-	-	-	-

1.4 Options

1.4.1 Mounting

Mounting	MX-Clip	MX-Rail	MX-Screw
			
MSX-E1516	X	X	X
MSX-E1701	X	X	X
MSX-E1711	X	X	X
MSX-E1721	X	X	X
MSX-E1731	X	X	X
MSX-E3011	X	X	X
MSX-E3021	X	X	X
MSX-E3121	-	X	X
MSX-E3122	-	X	X
MSX-E3211	-	X	X
MSX-E3311	-	X	X
MSX-E3317	-	X	X
MSX-E3511	X	X	X
MSX-E3601	X	X	X
MSX-E3700	X	X	X
MSX-E3701	X	X	X
MSX-E3701-DIO	X	X	X
MSX-E3711	X	X	X

1.4.2 Protection caps

Protection caps	PCMXX-10	PCMXX-11	PCMXX-12	PCMXX-13
MSX-E1516	X	-	-	X
MSX-E1701	X	-	X	X
MSX-E1711	X	-	X	X
MSX-E1721	X	-	X	X
MSX-E1731	X	-	-	X
MSX-E3011	X	-	-	X
MSX-E3021	X	-	-	X
MSX-E3121	X	-	-	X
MSX-E3122	X	-	-	X
MSX-E3211	X	-	-	X
MSX-E3311	X	-	-	X
MSX-E3317	X	-	X	X
MSX-E3511	X	-	-	X
MSX-E3601	X	-	-	-
MSX-E3700	X	X	-	-
MSX-E3701	X	X	-	-
MSX-E3701-DIO	X	X	-	-
MSX-E3711	X	X	X	-

2 Product details

2.1 Cables

Cables	Description
CMX-20	Power supply Shielded cable, 5-pin M12 female connector / open end, length: 1.5 m, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C
CMX-21	Like CMX-20, length: 3 m, open end
CMX-22	Like CMX-20, length: 5 m, open end
CMX-23	Like CMX-20, length: 10 m, open end
CMX-29	Like CMX-20, length on request, open end
CMX-30	Power supply (cascading) Shielded cable, 5-pin M12 female connector / male connector, length: 1 m, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C, for cascading two MSX-E systems
CMX-31	Like CMX-30, length: 3 m
CMX-32	Like CMX-30, length: 5 m
CMX-38	Like CMX-30, length: 0.6 m
CMX-39	Like CMX-30, length on request
CMX-39_0,3	Like CMX-30, length: 0.3 m
CMX-40	Trigger/Synchro Shielded cable, 5-pin M12 female connector / open end, length: 1.5 m, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C
CMX-41	Like CMX-40, length: 3 m, open end
CMX-42	Like CMX-40, length: 5 m, open end
CMX-43	Like CMX-40, length: 10 m, open end
CMX-49	Like CMX-40, length on request, open end
CMX-50	Trigger/Synchro (cascading) Shielded cable, 5-pin M12 female connector / male connector, length: 1 m, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C, for cascading the trigger/synchro signals of two MSX-E systems
CMX-51	Like CMX-50, length: 3 m
CMX-52	Like CMX-50, length: 5 m
CMX-58	Like CMX-50, length: 0.6 m
CMX-59	Like CMX-50, length on request
CMX-59_0,3	Like CMX-50, length: 0.3 m

Cables	Description
CMX-60	Ethernet Shielded CAT5E cable, D-coded M12 male connector / RJ45 connector, length: 2 m, bending radius: 32.5 mm, IP 67, temperature range: -25 °C to +80 °C, for the connection of the MSX-E system to an Ethernet switch or computer (LAN 10/100)
CMX-61	Like CMX-60, length: 5 m
CMX-62	Like CMX-60, length: 10 m
CMX-69	Like CMX-60, length on request
CMX-70	Ethernet (cascading) Shielded CAT5E cable, 2 x D-coded M12 male connector, length: 2 m, bending radius: 32.5 mm, IP 67, temperature range: -25 °C to +80 °C, for cascading the Ethernet signals of two MSX-E systems
CMX-71	Like CMX-70, length: 5 m
CMX-72	Like CMX-70, length: 10 m
CMX-78	Like CMX-70, length: 1 m
CMX-79	Like CMX-70, length on request
CMX-79_0,3	Like CMX-70, length: 0.3 m
CMX-80	Connection to peripherals Shielded cable, 5-pin M12 male connector / open end, length: 1,5 m, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C, for the connection of actuators/sensors
CMX-81	Like CMX-80, length: 3 m
CMX-83	Like CMX-80, length: 10 m
CMX-89	Like CMX-80, length on request
CMX-9x	Connection to peripherals Shielded cable, 8-pin M12 male connector / open end, length on request, bending radius: 59 mm, IP 65, temperature range: -25 °C to +80 °C, for the connection of actuators/sensors

2.2 Connectors

Connectors	Description
SC-M12	5-pin M12 male connector for the connection of cables with an open end
SC-M12-ABGW	5-pin M12 male connector for the connection of cables with an open end, bent by 90°
SC-M12-BU-ABGW	5-pin M12 female connector for the connection of cables with an open end, bent by 90°
SC-M12-8	8-pin M12 male connector for the connection of cables with an open end
SC-M12-8-ABGW	8-pin M12 male connector for the connection of cables with an open end, bent by 90°

Connectors	Description
SC-M12-8-TC	8-pin M12 male connector for the connection of thermocouples, with integrated cold junction compensation (CJC)
SC-M12-Y-M12	5-pin Y-divider (M12 male connector / 2 x M12 female connector)
SC-M23	12-pin M23 male connector for the direct connection of shaft encoders, gauges, digital transducers, etc.

2.3 Terminals

Terminals	Description
SMX-10¹	Terminal for power supply, 3-pin standard terminal, 5.08 mm grid, 1-row screw connector
SMX-11	Terminal for power supply, 3-pin standard terminal, 5.08 mm grid, 2-row screw connector, for cascading the power supply
SMX-12	Terminal for power supply, 3-pin standard terminal, 5.08 mm grid, 2-row spring-cage connector, for cascading the power supply
SMX-20¹	2 terminals for trigger and trigger/synchro, 3-pin standard terminal

2.4 Options

2.4.1 Mounting

Mounting	Description
MX-Clip	2 clamps for mounting the MSX-E systems on a DIN rail or directly on devices and machines
MX-Rail²	2 solid aluminium fixtures for DIN rail incl. screw set for mounting the MSX-E systems on a DIN rail
MX-Screw	4 angle brackets with screw set for mounting the MSX-E systems directly on devices and machines

2.4.2 Protection caps

Protection caps	Description
PCMXX-10	Protection caps for M12 connectors (Power supply, Trigger/Synchro, Ethernet), 4 x female connector, 1 x male connector
PCMXX-11	10 protection caps for M18 female connectors (transducer inputs)
PCMXX-12	1 protection cap for M23 female connector (counter inputs)
PCMXX-13	10 protection caps for M12 female connectors (digital, analog, temperature, pressure)

¹ Included in standard delivery

² Please specify when ordering the MSX-E system!

3 Contact and support

Do you have any questions? Write or call us:

Address: ADDI-DATA GmbH
Airpark Business Center
Airport Boulevard B210
77836 Rheinmünster
Germany

Phone: +49 7229 1847-0
Fax: +49 7229 1847-222
E-mail: info@addi-data.com

Manual and software download from the Internet:

www.addi-data.com