

## MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

15.0m PUR 16x0,34+5x0,75, UL/CSA

8-way, 5-pole, DIAGNOSTIC 15.0 m

Operating current: 2 A per M12 (female)

integrated electronic current monitoring with shutoff

electronic diagnostic with ERROR LED

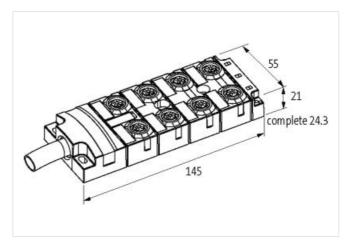
Further cable lengths on request.

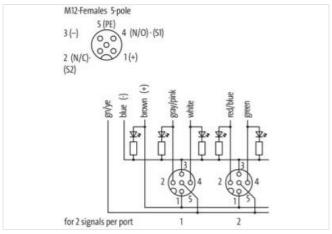
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a fault the DIAGNOSTIC signal "active high" to the PLC (wire "brown" 2) drops from 24 V DC to 0 V. The operator can immediately react by analysing the diagnostic signal.

## **Link to Product**

## Illustration







Product may differ from Image



## Commercial data



stay connected

ECLASS-6.1 27279219 ECLASS-7.0 27279219 ECLASS-7.0 27279219 ECLASS-8.0 27240108 ECLASS-9.0 27440108 ECLASS-10.1 27440108 ECLASS-10.1 27440108 ECLASS-11.1 27440108 ECLASS-12.0 27440108 ESCASS-12.0 27		
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Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  60 °C  Conformity  Product standard  EN 61131-2  Installation   Cable	Width	55 mm
Operating temperature min.  -20 °C Operating temperature max.  60 °C  Conformity  Product standard  EN 61131-2  Installation   Cable	Depth	21 mm
Operating temperature max. 60 °C  Conformity  Product standard EN 61131-2  Installation   Cable	Environmental characteristics   Climatic	
Operating temperature max. 60 °C  Conformity  Product standard EN 61131-2  Installation   Cable	Operating temperature min.	-20 °C
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Product standard EN 61131-2  Installation   Cable		
Installation   Cable		EN 61131 2
		LIN UI 131-2
Cable identification 403		
	Cable identification	403



stay connected

Printing color of wire insulation	white (isolation blue), white (isolation brown)
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Stranding factor min.	70 mm
Stranding factor max.	70 mm
Amount stranding (type 2)	1
Stranding (type 2)	16 wires counter-rotating twisted
Stranding factor min. (type 2)	105 mm
Stranding factor max. (type 2)	105 mm
Banding	Fleece
Filler	yes
Timer	(gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green,
wire arrangement	yellow, green-white, green, red-blue, white), brown 1, blue 2, brown 2, green-yellow, blue 1
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	253 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	11,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE
Amount wires	5
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Printing color of wire insulation	white (isolation blue), white (isolation brown)
Amount strands (wire)	96
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE
Outer diameter wire insulation (Data)	1,4 mm
Tolerance outer diameter wire insulation (data)	· · · · · · · · · · · · · · · · · · ·
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	16
Amount strands wire (Data)	42
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	0.34 mm <sup>2</sup>
Material conductor wire (Data)	·
Wire conductor type (Data)	Stranded copper wire, bare strand class 6
Traversing distance (C-track)	1,8 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)  Current load capacity min. wire	
	9 A
Current load capacity min. Wire (Data)	4 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	57 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	500 V



Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s	
AC withstand voltage power (wire - wire)	2 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	90 °C	
Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)	80 °C	
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	Good, application-related testing   DIN EN 60811-404	
Bending radius (installation)	x Outer diameter	
Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
Connection type 2		
Family construction form	free cable end	
No. of poles	21	
Family construction form	M12	
Gender	female	
Color contact carrier	black	
Coding	A	
No. of poles	5	
PIN 1	+	
PIN 2	NC S 2	
PIN 3	-	
PIN 4	NO S 1	
PIN 5	PE	