

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

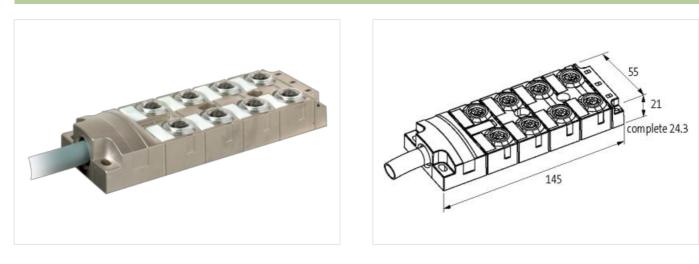
15.0m PUR 16x0,34+5x0,75, UL/CSA

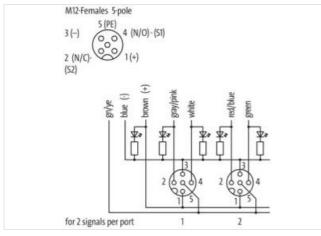
8-way, 5-pole, DIAGNOSTIC 15.0 m Operating current: 2 A per M12 (female) integrated electronic current monitoring with shutoff electronic diagnostic with ERROR LED Further cable lengths on request.

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

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-04



ECLASS 4.1 27.29219 ECLASS 5.0 27.29219 ECLASS 5.0 27.440108 ECLASS 5.0 27.440108 ECLASS 5.1 27.440108 ECLASS 5.0 27.440108 ECLASS 5.0 27.440108 ECLASS 5.1 27.440108 ECLASS 5.0 27.440108 CTM 40.49579053463 Packaging unit 1 Electrical data Isoppy Commit document max Commit document max 10 A Electrical data Isoppitom max 2.5 A Electrical data Isoppitom max	ECLASS-6.0	27279219
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	Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current max. Overload current max. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Conformity Product standard	IP65, IP67, IP68 inserted, screwed yes yes 2,3 A 2,7 A Schraubgewinde 145 mm 55 mm 21 mm -20 °C 60 °C

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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
	(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
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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	1,8 m @ 25 °C
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 ²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)	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)	20 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s

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Power frequency withstand voltage (wire - jacket)	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
Travel speed (C-track)	5 Mio. @ 25 °C
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

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