

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

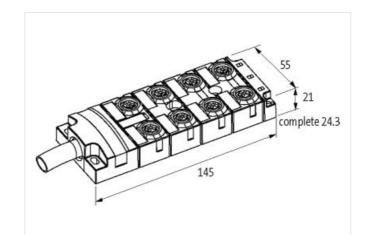
15.0m PUR 16x0,34+5x0,75, UL/CSA

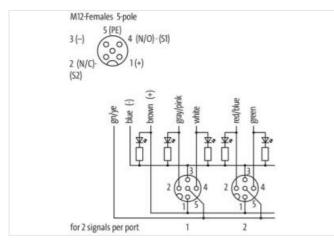
8-way, 5-pole, DIAGNOSTIC 15.0 m integrated electronic current monitoring with shutoff electronic diagnostic with ERROR LED Further cable lengths on request.

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







Product may differ from Image



Commercial data

ECLASS-6.0

27279219

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ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879063722
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Current consumption max.	35 mA
Total current max.	10 A
Electrical data Input	
Current input full equipment min.	10 A
Current carrying capacity per port max.	0,5 A
	0,0 /
Electrical data Output	
Diagnostic output	active high
Current diagnostic output max.	25 mA
Diagnostics	
Status indication LED	green, red
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Additional condition protection degree	inserted, screwed
Overload resistant	yes
Short-circuit protected	yes
Short circuit current min.	0,7 A
Short circuit current max.	0,9 A
Overload current min.	0,7 A
Overload current max.	0,9 A
Mechanical data Material data	
Coating housing	Nickeled
Material housing	Zinc die-casting
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Height	145 mm
Width	55 mm
Depth	21 mm
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	0° 00
Conformity	
Product standard	EN 61131-2
Installation Cable	
Cable identification	403

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Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding factor max. 70 mm Stranding factor max. 70 mm Amount stranding (type 2) 1 Stranding factor max. 70 mm Amount stranding (type 2) 1 Stranding factor max. 70 mm Amount stranding (type 2) 105 mm Stranding factor max. (type 2) 105 mm Stranding factor max. (type 2) 105 mm Banding Fleece Filler yes wire arrangement (gray-pink volet, brown-rgray, black, gray-white, red, brown 2, green-yellow, blue 1 No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weigh 253 gim Material jacket PUR Shore hardness jacket 8± 5 Shore A Freedom from ingredients (gacket) 11.5 mm Tolerance out: diameter (sheath) 1.5 % Material jacket 5 Outer diameter fourtal on 1.4 mm Outer diameter insulation 1.5 % <t< th=""></t<>
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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
Traversing distance (C-track)1,8 m @ 25 °C
Current load capacity (standard) to DIN VDE 0298-4
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 - 500 V

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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

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