

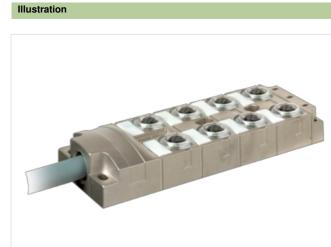
MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

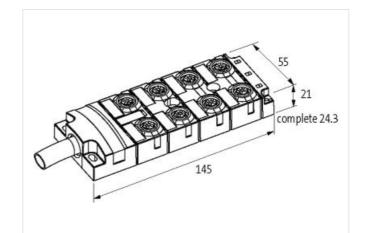
15.0m PUR 16x0,34+5x0,75, UL/CSA

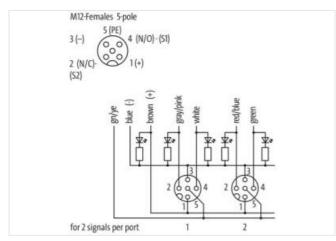
8-way, 5-pole, DIAGNOSTIC 15.0 m integrated electronic current monitoring with shutoff electronic diagnostic with ERROR LED Further cable lengths on request.

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

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: 2024-04-24

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27279219



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
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
Additional condition protection degree Overload resistant	inserted, screwed yes
Overload resistant	yes
Overload resistant Short-circuit protected	yes yes
Overload resistant Short-circuit protected Short circuit current min.	yes yes 0,7 A
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max.	yes yes 0,7 A 0,9 A
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min.	yes yes 0,7 A 0,9 A 0,7 A
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max.	yes yes 0,7 A 0,9 A 0,7 A
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data	yes 0,7 A 0,9 A 0,7 A 0,9 A 0,7 A
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing	yes 0,7 A 0,9 A 0,7 A 0,7 A 0,9 A 0,7 A Nickeled
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing	yes 0,7 A 0,9 A 0,7 A 0,7 A 0,9 A 0,7 A Nickeled
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data	yes yes 0,7 A 0,9 A 0,7 A 0,9 A 0,9 A Nickeled Zinc die-casting
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method	yes yes 0,7 A 0,9 A 0,7 A 0,9 A 0,9 A Nickeled Zinc die-casting Schraubgewinde
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height	yes 0,7 A 0,9 A 0,7 A 0,7 A 0,9 A 0,7 A 0,9 A Zinc die-casting Schraubgewinde 145 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width	yes 0,7 A 0,9 A 0,7 A 0,7 A 0,7 A 0,9 A 0,7 A 0,9 A Zinc die-casting Schraubgewinde 145 mm 55 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width Depth Environmental characteristics Climatic	yes 0,7 A 0,9 A 0,7 A 0,7 A 0,7 A 0,9 A 0,7 A 0,9 A Zinc die-casting Schraubgewinde 145 mm 55 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width Depth	yes 0,7 A 0,9 A 0,7 A 0,9 A 0,7 A 0,9 A Image: Schraubgewinde 145 mm 55 mm 21 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. 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.	yes 0,7 A 0,9 A 0,7 A 0,9 A 0,9 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. 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.	yes 0,7 A 0,9 A 0,7 A 0,9 A 0,9 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. 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	yes yes 0,7 A 0,9 A 0,7 A 0,9 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm -20 °C 60 °C
Overload resistant Short-circuit protected Short circuit current min. Short circuit current max. Overload current min. 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	yes yes 0,7 A 0,9 A 0,7 A 0,9 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm -20 °C 60 °C

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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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Stranding 5 wires around Core filler twisted Stranding factor min. 70 mm Stranding factor max. 70 mm Amount stranding (type 2) 1 Stranding factor min. (type 2) 16 wires counter-rotating twisted Stranding factor max. (type 2) 105 mm Stranding factor max. (type 2) 105 mm Banding Fleece Filler yes wire arrangement (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, blue 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 253 g/m Material jacket PUR Shore hardness jacket 65 ± 5 Shore A Freadom from ingredients (jacket) 11.5 mm Tolerace outer diameter (sheath) ± 5 % Material wire insulation TPE Amount wires 5 Outer diameter folerance core insulation 1.8 mm Outer diameter insulation 5 % Material wire insulation 5 % Material wire insulation 5 % Diver diameter tolerance core insul
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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 wire arrangement (gray-pirk, volet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow, white, gray, brown-green, yellow, green-white, graen, red-blue, white), brown 1, blue 2, brown 2, green-yellow, blue 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Gable weight 253 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 11.5 mm Tolerance out cameter (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 54 ± 5 Shore D Ingredient freeness wire insulation 1.8 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.8 mm Outer diameter insulation 1.8 mm Outer diameter to
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Stranding (type 2) 16 wires counter-rotating twisted Stranding factor min. (type 2) 105 mm Stranding factor mix. (type 2) 105 mm Banding Filecce Filler yes wire arrangement (gray-pink, tollet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, 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, slicone-free, LABS-free Outer-diameter (jacket) 11,5 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation TPE Amount wires 5 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 5 Shore D Ingredient freeness wire insulation ± 5 % Shore hardness wire insulation white (isolation blue), white (isolation brown) Amount wires 5 Conductor of wire insulation white (solation blue), white (isolation brow
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Filler yes wire arrangement (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, 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 tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 5 ± 5 Shore D Ingredient foeness wire insulation 16a/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 wire Stranded copper wire, bare Canductor type (wire) strand class 6 Material wire insulati
Filler yes wire arrangement (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, 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 tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 5 ± 5 Shore D Ingredient freeness wire insulation 14 mm Amount strands (wire) 96 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Diameter of single wires 0,1 mm Conductor vire
wire arrangement (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, 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 tolerance core insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free Printing color of wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free Printing color of 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
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Ingredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freePrinting color of wire insulationwhite (isolation blue), white (isolation brown)Amount strands (wire)96Diameter of single wires0,1 mmConductor crosssection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Material wire insulation (Data)TPEOuter diameter wire insulation (Data)1,4 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore D
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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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