

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

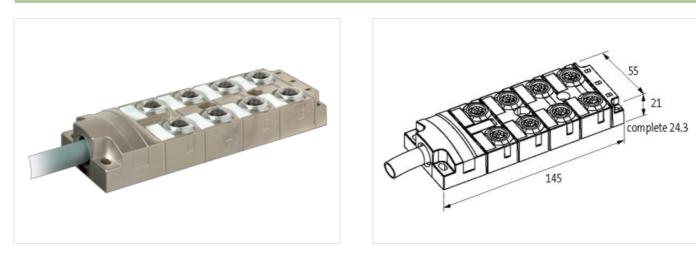
10.0m PUR 16x0,34+5x0,75, UL/CSA

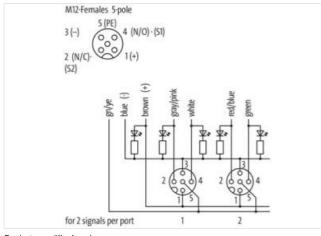
8-way, 5-pole, DIAGNOSTIC 10.0 m Operating current: 2 A per M12 (female) integrated electronic current monitoring with shutoff electronic diagnostic with ERROR LED Further cable lengths on request.

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: 2024-05-06 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



ECLASS-6.0	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	4048879063470
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.	20 A
Current carrying capacity per port max.	2,5 A
Electrical data Output	
	activa hish
Diagnostic output Current diagnostic output max.	active high 25 mA
Diagnostics	
Status indication LED	green, red
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Device protection Electrical Degree of protection (EN IEC 60529)	IP65, IP67, IP68
	IP65, IP67, IP68 inserted, screwed
Degree of protection (EN IEC 60529)	
Degree of protection (EN IEC 60529) Additional condition protection degree	inserted, screwed
Degree of protection (EN IEC 60529) Additional condition protection degree Overload resistant	inserted, screwed yes
Degree of protection (EN IEC 60529) Additional condition protection degree Overload resistant Short-circuit protected	inserted, screwed yes yes
Degree of protection (EN IEC 60529) Additional condition protection degree Overload resistant Short-circuit protected Short circuit current min.	inserted, screwed yes yes 2,3 A
Degree of protection (EN IEC 60529) Additional condition protection degree Overload resistant Short-circuit protected Short circuit current min. Short circuit current max.	inserted, screwed yes 2,3 A 2,7 A
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 min.	inserted, screwed yes 2,3 A 2,7 A 2,3 A
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 min. Overload current max.	inserted, screwed yes 2,3 A 2,7 A 2,3 A
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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 min. Overload current max. Overload current max. Overload current max. Coating housing Material housing	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A Nickeled
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 min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data	inserted, screwed yes yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A Nickeled Zinc die-casting
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 min. Overload current max. Overload current max. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A 2,7 A 2,7 C Schraubgewinde
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 min. Overload current max. Overload current max. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A 2,7 A 2,7 A Vickeled Zinc die-casting Schraubgewinde 145 mm
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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 min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width Depth	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm
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 min. Overload current max. Mechanical data Material data Coating housing Material housing Mechanical data Mounting data Mounting method Height Width Depth Environmental characteristics Climatic	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A 2,7 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm
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. 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.	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A 2,7 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm -20 °C
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 min. 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.	inserted, screwed yes 2,3 A 2,7 A 2,3 A 2,7 A 2,7 A 2,7 A Nickeled Zinc die-casting Schraubgewinde 145 mm 55 mm 21 mm -20 °C
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. 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	inserted, screwed yes yes 2,3 A 2,7 A 2,3 A 2,7 A 145 mm <t< td=""></t<>
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Jacket Cloir priv Type of Carificate CURus Anount stranding 1 Stranding factor max. 70 mm Anount startading factor max. 70 mm Stranding factor max. 70 per plik, violel, throung rate, factor max. Wire arrangement Garby plik, violel, throung rate, med blue, white, bown 1, blue 2, brown 2, preservelow, blue 1 Choir weight 255 gin Material jacot FUR Stranding factor max 5 Calar weight 15 mm Tolerance calar weight 15 fs Anount views 5 Calar weight 55 fs brow D Calar weight 18 mm	Printing color of wire insulation	white (isolation blue), white (isolation brown)
Amount stranding 1 Stranding factor min. 70 mm Stranding factor mix. 70 mm Stranding factor mix. (type 2) 105 mm Stranding factor mix. (type 2) 105 mm Banding File Vier arrangement (grap-pink, violet, troom-grap, black, grap-white, ed., brown-yellow, pink, yellow-white, grap, toxom-green, yellow, grap-white, ed., torown-grain, black, grap-white, ed., brown 2, greenyellow, blue 1 Store Interfaces picket PUF Amount wire Store Interfaces picket Cuber diameter (beam) 1.5 mm Cuber diameter (beam) 1.5	Jacket Color	gray
Stranding 5 wires around Core filter twisted Stranding factor min. 70 mm Stranding factor max. 70 mm Amount stranding type 2) 1 Stranding factor min. (type 2) 105 mm Stranding factor min. (type 2) 105 mm Branding factor min. (type 2) 105 mm Branding factor min. (type 2) 105 mm Ware arrangement (gray pith, wold, brown gray, black, gray while, red, brown yellow, pith, yellow while, gray, brown greon, yellow, greon, wile arrangement ware arrangement (gray pith, wold, brown gray, black, gray while, red, brown 2, grean yellow, blue 1 Cable weight 283 grm Water all gaket PUR Store hardness jacket 85 ts 5 Store A Freedom from ingredients (jacket) 15 5 % Material jacket 9 UR Outer diameter insulation 17 B mm Tolerance outer diameter insulation 18 m Outer diameter insulation 18 m Outer diameter insulation 18 m Outer diameter insulation 16 M mm (gray pith / mm Carder diameter insulation 18 m Outer diameter	Type of Certificate	cURus
Standing factor min. 70 mm Standing factor max. 70 mm Amount standing (type 2) 1 Stranding (type 2) 16 wires counter-rotating twisted Stranding factor max. (type 2) 105 mm Stranding factor max. (type 2) 105 mm Banding Piecce Filer yea wire arrangament (gray-pirk: videl: brown-gray, black, gray-white, red. brown-yeallow, pink, yeallow-white, gray, brown-graen, yelow, gray, brown-graen, yelow, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, red. blau, white, brown 1, blue 2, brown 2, green, graen, red. blau, white, brown 1, blue 2, brown 2, green, red. blau, white, brown 1, blue 2, brown 2, green, red. blau, white, graen, red. blau, re	Amount stranding	1
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Amout stranding (type 2) 1 Stranding factor min. (type 2) 105 mm Stranding factor min. (type 2) 105 mm Stranding factor min. (type 2) 105 mm Banding Fleece Filler yes wire arrangement (gray-prink, volet, brown-gray, black, gray-white, red, brown-yellow, prink, yellow-white, gray, brown-green, yellow, white, gray, mink, green, red blue, white), brown 1, blue 2, brown 2, green yellow, blue 1 Cable weigh 253 grm Material jackot PUR Strone findersis (jacket) 165 ± 5 Shore A Freedom from ingredients (jacket) 165 % Cable weight 25 5 Tolerance outer diameter (releabl) 1.5 % Material avice insulation 1.8 mm Tolerance outer diameter (releabl) 1.5 % Material avice insulation 1.8 mm Outer diameter insulation 1.8 mm Outer diameter insulation 1.8 mm Canductor size insulation 1.8 mm Canductor size insulation 1.8 mm Canductor size insulation 1.8 mm Dater diameter insulation 1.8 mm	Stranding factor min.	70 mm
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Stranding factor min. (type 2) 105 mm Branding factor max. (type 2) 105 mm Banding Fleece Filler yes wire arrangement (gray-park, twider, brown-pray, black, gray-white, red, brown-yellow, pink, yellow, draw-white, gray, brown-gray, black, gray-white, red, brown y, blue 2, brown 2, green yellow, blue 1 Cable weight 253 g/m Material jacket PUR Shore hardness jacket 85 5 5 Shore A Freedom from ingredients (jacket) 11.5 mm Toferance outer dameter (jacket) 11.5 mm Toferance outer dameter (lacket) 1.5 mm Outer diameter insulation 1.8 mm Outer diameter insulation white (isolation brown) Amount wires 5 Fring color of wire insulation white (isolation brown) Amount wires 5.5 Shore D Imgredient Tremenes wire insulation white (isolation brown) Amount wires 5.7 mm Material wires wire insulation <	Amount stranding (type 2)	1
Stranding factor max. (type 2) 105 mm Banding Fleece Filer yes wire arrangement (gray prink, vibit, brown gray, black, gray white, rot, brown yellow, prink, yellow, white, gray, brown green, yellow, blue 1 Cable weigth 253 g/m Material jacket PUR Shore hardness jacket 65 5 5 Shore A Freedom from ingredients (jacket) lead-fee, cadmium-free, CFC-free, halogen-free, silcone-free, LABS-free Outer-diameter (iacket) 11,5 mm Tolerance outer diameter (sheat) 15 % Material insulation TPE Amount wires 5 Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter wire insulation 5 4 5 Shore D Ingredient freeness wire insulation 54 5 5 Shore D Ingredient freeness wire insulation 54 5 Shore D Ingredient freeness wire insulation white (solation bule), white (solation brown) Amount strands (wire) 96 Diamoter of single wires 0.1 mm Conductor rossection (wire) 0.75 mm ³ Material andruck (bata) 1.4 mm Tolerance outer colerance (wire) 1.5 ms Outer diameter wire insulation (Data) 1.4 mm Tolerance outer (lata) 16 </td <td>Stranding (type 2)</td> <td>16 wires counter-rotating twisted</td>	Stranding (type 2)	16 wires counter-rotating twisted
Banding Fleece File yes wire arrangement (gray-prink, 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 Cable weigh 253 grm Material jacket PUR Shore hadroses jackul 85 ± 5 Shore A Freedom fram ingredents (jacket) 18.5 ± 5 Shore A Freedom fram ingredents (jacket) 1.6 mm Tolerance ouber diameter (jacket) 1.8 mm Outer diameter insulation 1.8 mm Outer diameter insulation 1.8 mm Outer diameter insulation 5.5 Shore D Timerdent freeness wire insulation 5.4 5 % Shore D Shore hadroses wire insulation 5.4 5 % Shore D Material wire insulation 1.8 mm Outer diameter oingle wires 0,1 mm Conductor rosseschein (wire) 0,75 mm² Material conductor wire Stande copper wire, bare Conductor type (wire) stand class 6 Traversig distance (C+tack) 1,8 m Ø 25 °C Material conductor wire insulation (Dats) 5.4 S Shore D	Stranding factor min. (type 2)	105 mm
Filler yes wire arrangement (gray-pink, violet, green, white, green, red-blue, white, horwn 1, blue 2, brown 2, green-yellow, blue 1 Cable weight 253 g/m Material jackt PUR Shore hardness jackt 85 ± 5 Shore A Freedom from ingredients (jackt) lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free, LABS-free Outer-dinametic (jackt) 11.5 mm Tolerance outer diameter (shealth) ± 5 % Material jackt PE Amount wires 5 Outer diameter insulation 1.8 mm Outer diameter wire insulation 5 ± 5 Shore D Ingredient freenses wire insulation 5 ± 5 Shore D Ingredient freenses wire insulation 16 # 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 wire (solation blue), white (solation brown) Amount strads (wire) 96 Diameter of single wires 0,1 mm Conductor wire insulation (Data) TPE Oraductor wire insulation (Data) TPE Outer diameter	Stranding factor max. (type 2)	105 mm
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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 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-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 cossection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 1.4 mm Tolerance outer diameter wire insulation (Data) TPE Outer diameter wire insulation (Data) 1.4 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 1.4 mm Tolerance outer diameter wire insulation (Data) 16 Amount wires (Data) 42 Diameter of single wires 0.34 mm² Material conductor wire (Data) 0.34 mm² <t< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free</td></t<>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
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 while (isolation blue), while (isolation brown) Amount strands (wire) 96 Diameter of single wires 0,1 mm Conductor cossesction (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 1,8 m.@ 25 °C Material conductor wire insulation (Data) TPE Outer diameter wire insulation (Data) TPE Outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 16 Amount wires (Data) 14 Amount wires (Data) 0,34 mm²	Outer-diameter (jacket)	11,5 mm
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Electrical resistance coating wire (Data) 57 Ω/km @ 20 °C		
AC withstand voltage (wire - wire) 2 kV @ 60 s		
	AC withstand voltage (wire - wire)	2 KV @ 60 S

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: 2024-05-06

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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)	℃ 3° 08
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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