

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

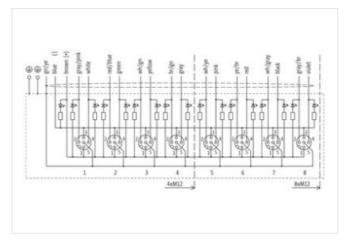
5.0m PUR 16x0,5+3x1,0, UL/CSA

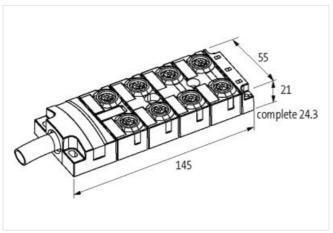
8-way, 5-pole 5.0 m with LED for digital NPN-signals 24 V DC Replaces identical product (Art.No. 27561) Further cable lengths on request.

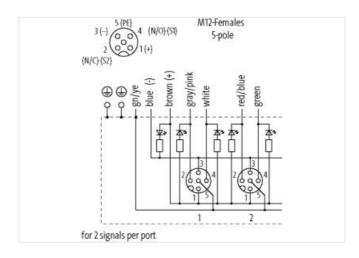
Link to Product

Illustration









Product may differ from Image









Commercial data		
ECLASS-6.0	27279219	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

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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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879352925
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Mechanical data Material data	
•	APP 1 1
Coating housing	Nickeled 7 and the section
Material housing	Zinc die-casting
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Cable identification	452
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	7 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires counter-rotating twisted
Banding	Fleece
Filler	yes
wire arrangement	gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)
Cable weigth	231 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
-	
Outer-diameter (jacket)	11,5 mm
Outer-diameter (jacket) Tolerance outer diameter (sheath)	11,5 mm ± 5 %
Tolerance outer diameter (sheath)	± 5 %
Tolerance outer diameter (sheath) Material wire insulation	±5% TPE-E
Tolerance outer diameter (sheath) Material wire insulation Amount wires	± 5 % TPE-E 16
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D
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Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, silicone-free, LABS-free 64
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, silicone-free, LABS-free 64 0,1 mm



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Traversing distance (C-track)	5 m @ 25 °C
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
Amount strands wire (Data)	128
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	1 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - conductor)	300 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	15 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
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)	-20 °C
Operating temperature max. (dynamic)	90 °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)	8 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	16
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