

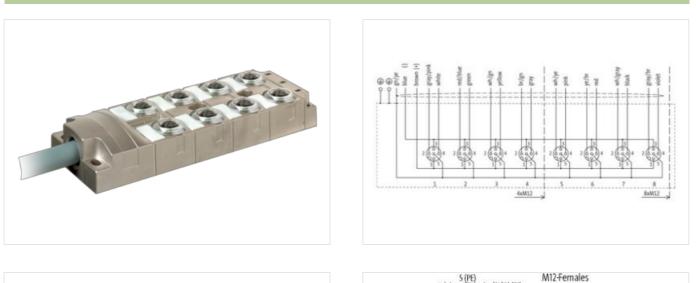
## MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

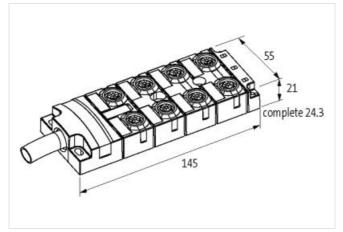
15.0m PUR 16x0,34+3X0.75, UL/CSA

8-way, 5-pole shielded 15.0 m Without LED for analog signals up to 48 V AC/DC Replaces identical product (Art.No. 27519) Further cable lengths on request.

## Link to Product

Illustration





4 (N/O)-(SI) 3(-) 5-pole (N/C)-(S2) 1 for 2 signals per port

5 (PE)

Product may differ from Image



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

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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	4048879352567
Packaging unit	1
Electrical data   Supply	•
Operating voltage AC max.	48 V
Operating voltage DC max.	48 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	
Coating housing	Nickeled
Material housing	Zinc die-casting
Mechanical data   Mounting data	
	Caluary in an
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	401
Cable identification Jacket Color	401 gray
Jacket Color	gray
Jacket Color Type of Certificate	gray cURus
Jacket Color Type of Certificate Amount stranding	gray cURus 1
Jacket Color Type of Certificate Amount stranding Stranding	gray cURus 1 3 wires twisted
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min.	gray cURus 1 3 wires twisted 80 mm
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max.	gray cURus 1 3 wires twisted 80 mm 80 mm
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2)	gray cURus 1 3 wires twisted 80 mm 80 mm 1
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2)	gray cURus 1 3 wires twisted 80 mm 80 mm 1 16 wires around Stranding combination counter-rotating twisted 120 mm 120 mm
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1         1         10 mm         16 wires around Stranding combination counter-rotating twisted         120 mm
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2)	gray cURus 1 3 wires twisted 80 mm 80 mm 1 16 wires around Stranding combination counter-rotating twisted 120 mm 120 mm
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned         80 %
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding	gray cURus 1 3 wires twisted 80 mm 80 mm 1 1 16 wires around Stranding combination counter-rotating twisted 120 mm 120 mm copper braid, tinned 80 % Fleece (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green,
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow
Jacket Color         Type of Certificate         Amount stranding         Stranding         Stranding factor min.         Stranding factor max.         Amount stranding (type 2)         Stranding factor min. (type 2)         Stranding factor max. (type 2)         Stranding factor max. (type 2)         Cable shielding (type)         Cable shielding (coverage)         Banding         wire arrangement         Cable weigth	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1 fewires around Stranding combination counter-rotating twisted         120 mm         120 mm         120 mm         Fleece         (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, blue, green-yellow         237,6 g/m
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1 fe wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow         237,6 g/m         PUR
Jacket Color         Type of Certificate         Amount stranding         Stranding         Stranding factor min.         Stranding factor max.         Amount stranding (type 2)         Stranding factor min. (type 2)         Stranding factor max. (type 2)         Stranding factor max. (type 2)         Cable shielding (type)         Cable shielding (coverage)         Banding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1 for wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow         237,6 g/m         PUR         94 ± 5 Shore A
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         16 wires around Stranding combination counter-rotating twisted         120 mm         237,6 g/m         PUR         94 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Jacket Color         Type of Certificate         Amount stranding         Stranding         Stranding factor min.         Stranding factor max.         Amount stranding (type 2)         Stranding factor min. (type 2)         Stranding factor max. (type 2)         Stranding factor max. (type 2)         Cable shielding (type)         Cable shielding (coverage)         Banding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow         237,6 g/m         PUR         94 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         11,7 mm
Jacket ColorType of CertificateAmount strandingStrandingStranding factor min.Stranding factor max.Amount stranding (type 2)Stranding factor min. (type 2)Stranding factor min. (type 2)Stranding factor min. (type 2)Stranding factor max. (type 2)Cable shielding (type)Cable shielding (type)Cable shielding (coverage)Bandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow         237.6 g/m         PUR         94 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         11,7 mm         ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	gray         cURus         1         3 wires twisted         80 mm         80 mm         1         1         16 wires around Stranding combination counter-rotating twisted         120 mm         120 mm         copper braid, tinned         80 %         Fleece         (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, blue, green-yellow         237,6 g/m         PUR         94 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free         11,7 mm         ± 5 %         PP

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Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	96
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,3 mm
Tolerance outer diameter wire insulation (data)	
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-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 <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	1,8 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Current load capacity min. Wire (Data)	4A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	53 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - ground) Max. rated voltage power (conductor -	300 V
conductor)	300 V
AC withstand voltage power (wire - shield)	2 kV @ 60 s
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)	-40 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
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
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PIN 3	-
PIN 4	NO S 1
PIN 5	PE