

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

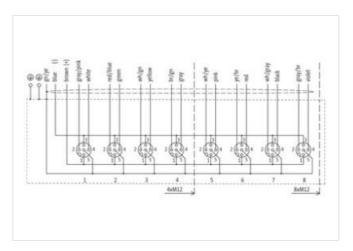
3.0m PUR 16x0,34+3X0.75, UL/CSA

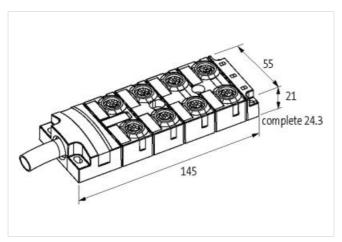
8-way, 5-pole shielded 3.0 m Without LED for analog signals up to 48 V AC/DC Replaces identical product (Art.No. 27516) Further cable lengths on request.

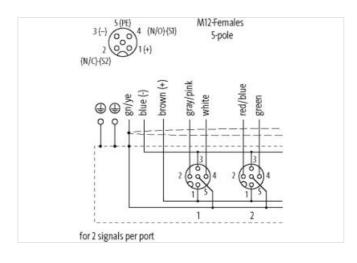
Link to Product

Illustration









Product may differ from Image









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



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ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-11.1	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879352536
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	
· · · · · ·	Cabraubaauinda
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Additional condition temperature range Installation Cable	depending on cable quality
Installation Cable	depending on cable quality 401
Installation Cable Cable identification	
Installation Cable Cable identification Jacket Color	401
Installation Cable Cable identification Jacket Color Type of Certificate	401 gray
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding	401 gray cURus
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	401 gray cURus 1
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min.	401 gray cURus 1 3 wires twisted
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max.	401 gray cURus 1 3 wires twisted 80 mm
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2)	401 gray cURus 1 3 wires twisted 80 mm 80 mm
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Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor min. (type 2)	401 gray cURus 1 3 wires twisted 80 mm 80 mm 1 16 wires around Stranding combination counter-rotating twisted 120 mm
Installation Cable Cable identification 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 min. (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2)	401 gray cURus 1 3 wires twisted 80 mm 80 mm 1 16 wires around Stranding combination counter-rotating twisted 120 mm 120 mm
Additional condition temperature range Installation Cable Cable identification 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 min. (type 2) Cable shielding (type) Cable shielding (coverage) Banding	401 gray cURus 1 3 wires twisted 80 mm 80 mm 1 16 wires around Stranding combination counter-rotating twisted 120 mm 120 mm copper braid, tinned
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor min. (type 2) Cable shielding (type) Cable shielding (coverage)	401 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 %
Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor min. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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,
Installation Cable Cable identification 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 min. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement No. of bending cycles (C-track)	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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
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Installation Cable Cable identification 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 min. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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 5 Mio. @ 25 °C 237,6 g/m
Installation Cable Cable identification 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 min. (type 2) Stranding factor min. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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 5 Mio. @ 25 °C 237,6 g/m PUR
Installation Cable Cable identification 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 min. (type 2) Cable shielding (type) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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 5 Mio. @ 25 °C 237,6 g/m PUR 94 ± 5 Shore A
Installation Cable Cable identification 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 min. (type 2) Cable shielding (type) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement No. of bending cycles (C-track) 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 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 5 Mio. @ 25 °C 237,6 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor min. (type 2) Stranding factor min. (type 2) Cable shielding (type) Cable shielding (coverage)	401 gray cURus 1 3 wires twisted 80 mm 80 mm 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 5 Mio. @ 25 °C 237,6 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 11,7 mm



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Outer diameter insulation	2.6 mm
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 ²
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 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
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)	4 A
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 - 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

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: 2024-04-27



PIN 3	-
PIN 4	NO S 1
PIN 5	PE