

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

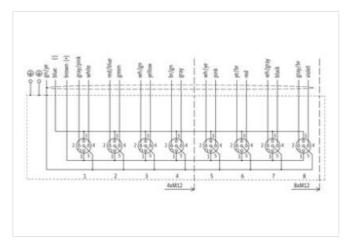
10.0m PUR 16x0,34+3X0.75, UL/CSA

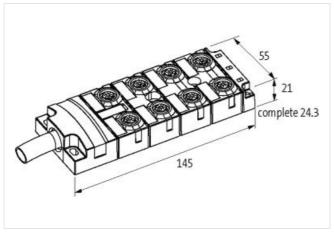
8-way, 5-pole shielded 10.0 m Without LED for analog signals up to 48 V AC/DC Replaces identical product (Art.No. 27518) Further cable lengths on request.

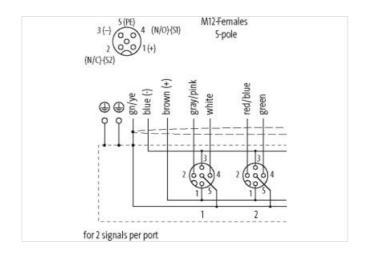
## **Link to Product**

## 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-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879352550
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
	IVITZ X T
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	
Mounting method	Schraubgewinde
Environmental characteristics   Climati	<b>c</b>
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	401
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Stranding factor min.	80 mm
Stranding factor max.	80 mm
Amount stranding (type 2)	1
Stranding (type 2)	
	16 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	16 wires around Stranding combination counter-rotating twisted  120 mm
	<del>_</del>
Stranding factor max. (type 2)	120 mm
Stranding factor max. (type 2) Cable shielding (type)	120 mm 120 mm
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage)	120 mm 120 mm copper braid, tinned
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage)	120 mm 120 mm copper braid, tinned 80 %
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	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,
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth	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
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	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
Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	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
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)	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
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)	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
	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
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)	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 %

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: 2024-04-30



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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 mm²
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
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
No. of bending cycles (C-track)	5 Mio. @ 25 °C
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