

## MVP-METALL, 4XM12, 5POLE, PRE-WIRED CABLE

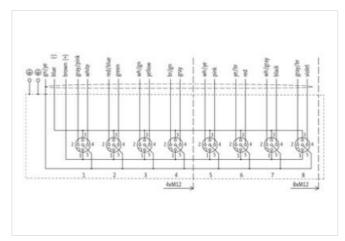
5.0m PUR 8x0,34+3X0.75, UL/CSA

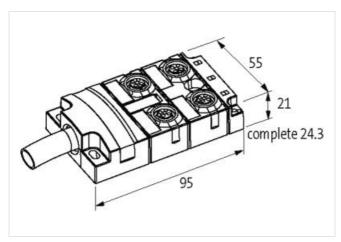
4-way, 5-pole 5.0 m shielded Replaces identical product (Art.No. 27487) without LED, 5-pole (for analog signals) Further cable lengths on request.

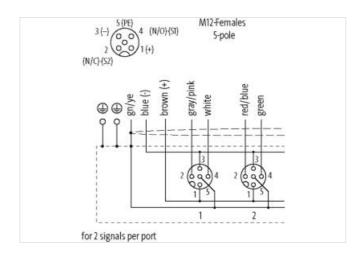
## **Link to Product**

## 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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FOL 400 0 0	0744040
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1 ECLASS-12.0	27440108 27440108
ETIM-5.0	
	EC002585
customs tariff number GTIN	85444290
	4048879351720
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	
•	ID65 ID67 ID69
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   Climatic	c
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
	appointing on sauto quality
Installation   Cable	
Cable identification	373
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	1 3 wires twisted
Stranding Stranding factor min.	1 3 wires twisted 43 mm
Stranding Stranding factor min. Stranding factor max.	1 3 wires twisted 43 mm 43 mm
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2)	1 3 wires twisted 43 mm 43 mm 1
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Cable shielding (type)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Cable shielding (type)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned
Stranding Stranding factor min. Stranding factor max. Amount stranding (type 2) Stranding (type 2) Stranding factor min. (type 2) Stranding factor max. (type 2) Cable shielding (type) Cable shielding (coverage)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 %
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	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil
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	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green)
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 (type) Banding wire arrangement Cable weigth	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m
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 Cable weigth Material jacket	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR
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 Cable weigth Material jacket Shore hardness jacket	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR 85 Shore A
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 (type) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR 85 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
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 Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR 85 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,3 mm
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 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)	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR 85 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,3 mm ± 5 %
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 Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1 3 wires twisted 43 mm 43 mm 1 8 wires around Stranding combination counter-rotating twisted 90 mm 90 mm copper braid, tinned 80 % Fleece, Foil yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green) 145,2 g/m PUR 85 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,3 mm ± 5 % TPE-E



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Shore hardness wire insulation	55 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	1,8 mm
Tolerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 Shore D
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
Amount strands wire (Data)	96
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	0,75 mm <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Current load capacity min. Wire (Data)	12 A
Electrical resistance line constant wire	53 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	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   IEC 60332-2-2   UL 1581 § 1100 FT2
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)	x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track)	5 Mio.
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
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