

## MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

3.0m PUR/PVC 16x0,34+5x0,75

Further cable lengths on request.

8-way, 5-pole

Plastic housings with good resistance against chemicals and oils.

PUR/PVC

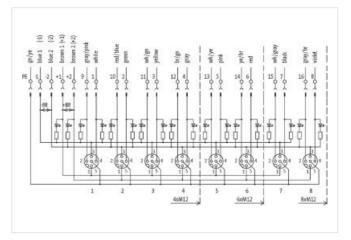
The resistance to aggressive media should be individually tested for your application. Further details on request. potentially separated

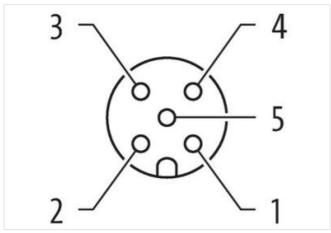
with LED for digital PNP-signals 24 V DC

## **Link to Product**

## Illustration







Product may differ from Image



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



stay connected

FOLACO O O	07070040
ECLASS-8.0 ECLASS-9.0	27279219
	27440108
ECLASS-10.1 ECLASS-11.1	27440108
	27440108
ECLASS-12.0 ETIM-5.0	27440108
	EC002585
customs tariff number	85369010
GTIN	4048879064231
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Total current at 1 time current feed-in max.	8 A
Total current at 2 times current feed-in max.	16 A
Industrial communication	
Number of signals per port	2
Installation   Connection	
Tightening torque	0,6 Nm
Mounting set	M12 x 1
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	name retardant
	PBT
Material housing	FDI
Mechanical data   Mounting data	
Height	150 mm
Width	50,2 mm
Depth	17 mm
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
A 1 Per 1 Per 1	
Additional condition temperature range	depending on cable quality
Additional condition temperature range  Installation   Cable	depending on cable quality
<u> </u>	depending on cable quality  404
Installation   Cable	
Installation   Cable Cable identification	404
Installation   Cable Cable identification Cable Type	404
Installation   Cable Cable identification Cable Type Jacket Color	404 2 gray
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	404 2 gray cURus
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate STOOW style jacket	404 2 gray cURus Hybrid, Signal, Power
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Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate STOOW style jacket Amount stranding Stranding Amount stranding (type 2)	404 2 gray cURus Hybrid, Signal, Power 1 5 wires around Core filler twisted 1 16 wires around Stranding combination twisted blue 1, brown 1, blue 2, brown 2, green-yellow, (green, red-blue, white, gray-pink, violet, brown-gray, black,
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate STOOW style jacket Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) wire arrangement	404 2 gray cURus Hybrid, Signal, Power 1 5 wires around Core filler twisted 1 16 wires around Stranding combination twisted blue 1, brown 1, blue 2, brown 2, green-yellow, (green, red-blue, white, gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white)
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate STOOW style jacket Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) wire arrangement No. of bending cycles (C-track)	404 2 gray cURus Hybrid, Signal, Power 1 5 wires around Core filler twisted 1 16 wires around Stranding combination twisted blue 1, brown 1, blue 2, brown 2, green-yellow, (green, red-blue, white, gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white) 2 Mio. @ 25 °C
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate STOOW style jacket Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) wire arrangement	404 2 gray cURus Hybrid, Signal, Power 1 5 wires around Core filler twisted 1 16 wires around Stranding combination twisted blue 1, brown 1, blue 2, brown 2, green-yellow, (green, red-blue, white, gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white)

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: 2024-04-26



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Shore hardness jacket	87 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	12.5 mm
Tolerance outer diameter (sheath)	±5%
Material inner jacket	PVC
Color (inner jacket)	gray
Material wire insulation	PVC
Amount wires	16
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	2,2 mm
Tolerance outer diameter wire insulation	<u> </u>
(Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Printing colour wire insulation (Power)	white (isolation blue), white (isolation brown)
Amount wires (Power)	5
Amount strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm <sup>2</sup>
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7,8 A
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
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)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Connection type 2	



Family construction form	free cable end
Color contact carrier	gray
No. of poles	21
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