

## MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

10.0m PUR/PVC 12x0,34+5x0,75

Further cable lengths on request.

6-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.

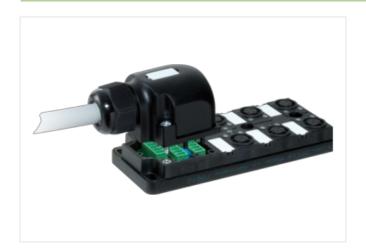
10.0 m

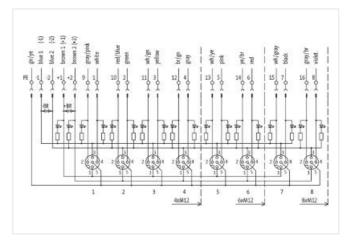
potentially separated

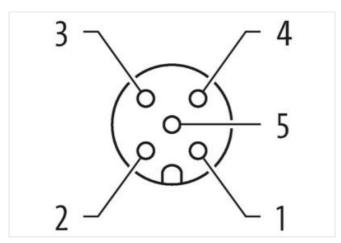
with LED for digital PNP-signals 24 V DC

## **Link to Product**

## Illustration







Product may differ from Image





Commercial data	
ECLASS-6.0	27279219
ECLASS-6.1	27279219



stay connected

ECLASS-7.0	27279219
ECLASS-7.0 ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-9.0	27440108
ECLASS-11.1	27440108
ECLASS-11.1	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879064255
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	namo rotardant
Material housing	PBT
Mechanical data   Mounting data	·
, ,	405
Height	125 mm
Width	50,2 mm
Depth	17 mm
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	396
Jacket Color	gray
Type of Certificate	cURus, CSA
Amount stranding	1
Stranding	6 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires around Stranding combination twisted
Banding	Fleece
Filler	yes
	gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-
wire arrangement	yellow, yellow-white, red, pink, gray, yellow, green, white)
Cable weigth	yellow, yellow-white, red, pink, gray, yellow, green, white)  143 g/m

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: 2024-05-05



stay connected

Shore hardness jacket	89 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	10.4 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	16
Outer diameter insulation	1,5 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
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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	1.8 mm
Tolerance outer diameter wire insulation (data)	7-
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	42
Diameter of single wires (Data)	0,15 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)	300 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)  Current load capacity min. wire	4 A
Current load capacity min. Wire (Data)	12 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
	26 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °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	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
Connection type 2	
Family construction form	free cable end
Color contact carrier	gray
No. of poles	17
Family construction form	M12

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: 2024-05-05



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