

## MVP12, 8XM12, 4POLE, PLUGGABLE CABLE

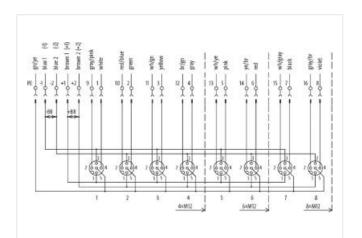
5.0m PUR/PVC 16x0,34+5x0,75, w/o LED's

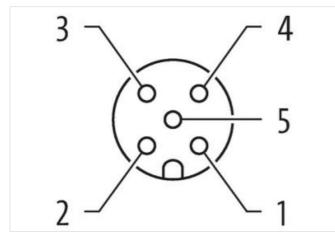
8-way, 5-pole PUR/PVC 5.0 m Potential separation as option Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product









Product may differ from Image



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

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ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85369010
GTIN	4048879061636
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 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	
Mounting set	M12 x 1
	N112 X I
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	screwed, mounted
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Mechanical data   Mounting data	
Manual factor and the st	Schraubgewinde
Mounting method	Schlaubgewinde
Mounting method Height	149,2 mm
Height	149,2 mm
Height Width	149,2 mm 50,2 mm
Height Width Depth Environmental characteristics   Climatic	149,2 mm 50,2 mm 17,2 mm
Height Width Depth Environmental characteristics   Climatic Operating temperature min.	149,2 mm 50,2 mm 17,2 mm -20 °C
Height Width Depth Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	149,2 mm 50,2 mm 17,2 mm
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power 374
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power 374 2
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power 374 2 gray
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power 374 2 gray cURus
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding	149,2 mm 50,2 mm 17,2 mm -20 °C 80 °C Hybrid, Signal, Power 374 2 gray cURus
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Itype   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   Stranding (type 2)   wire arrangement	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   Stranding (type 2)   wire arrangement   Cable weigth	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   Stranding (type 2)   wire arrangement   Cable weigth   Material jacket	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)   140,94 g/m
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   Stranding (type 2)   wire arrangement   Cable weigth	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)   140,94 g/m   PUR
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   wire arrangement   Cable weigth   Material jacket   Shore hardness jacket	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)   140,94 g/m   PUR   87 ± 5 Shore A
Height   Width   Depth   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Installation   Cable   STOOW style jacket   Cable identification   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   Amount stranding (type 2)   wire arrangement   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)	149,2 mm   50,2 mm   17,2 mm   -20 °C   80 °C   Hybrid, Signal, Power   374   2   gray   cURus   1   4 wires twisted   1   9 wires around Stranding combination twisted   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)   140,94 g/m   PUR   87 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free

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Material inner jacket	PVC
Color (inner jacket)	gray
Material wire insulation	PVC
Amount wires	8
Outer diameter insulation	1,3 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	43 ± 5 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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation	
(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 strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	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 min. wire	4 A
Loop resistance	7,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	℃ 08
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	21
Family construction form	M12

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Gender	female	
Color contact carrier	black	
Coding	А	
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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