

## MVP12, 4XM12, 5POLE, PLUGGABLE CABLE

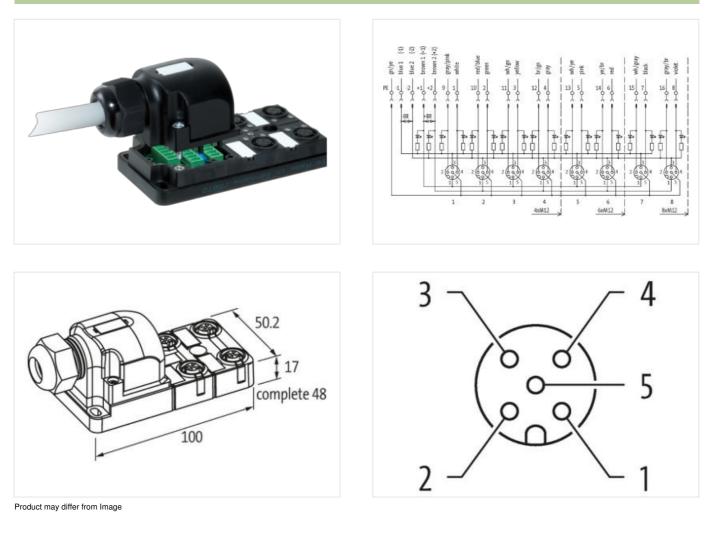
5.0m PUR/PVC 8x0,34+5x0,75

Art.No.: 27072 Weight: 0.68 Country of origin: DE Model designation: MVM4-UHT5.0-MP

4-way, 5-pole PUR/PVC potentially separated with LED for digital PNP-signals 24 V DC

## Link to Product

Illustration





ECLASS-6.0

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: 2024-12-14

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27279219



EQLASS 11.1     27.440108       EQLASS 12.0     27.440108       ECIASS 12.0     27.440108       ECIASS 12.0     27.440108       ETM 5.0     ECOCSS5       cuators Laff number     85589010       GTN     444877064309       Packaging unit     1       Electrical data ISupply     Current oparating por contat max.       Carlot oparating por contat max.     8 A       Total current al time current feed-n max.     16 A       Industrial communication     Industrial communication       Number of signals per port     2       Installation   Connection     Machanel data INouting data       Mechanical data INouting data     Marka non       Mounting method     Stratusbyswinde       Height     100 mm       Widh     50,2 mm       Depth     17 mm       Installation [Cable     Cable identification       Gale is Type     2       Cable identification     374       Gale is Type     1       Stranding (type 2)     1       Stranding (type 2)     1       Strandi	ECLASS-6.1	27279219	
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Total current at 2 times current feed in max.     16 A       Industrial communication     2       Installation   Connection     Mouning set     NII 2 x 1       Mechanical data   Mounting data     Mouning method     Schraubgewinde       Height     100 mm     Mouning method     Schraubgewinde       Height     100 mm     Mouning method     Schraubgewinde       Babilitation   Cable     17 mm     Mouning set     Schraubgewinde       Cable identification     374     Schraubgewinde     Schraubgewinde       Cable Type     2     Schraubgewinde     Schraubgewinde       Schraubgewinde     Hybrid, Signal, Power     Schraubgewinde     Schraubgewinde       Schle Type     2     Schraubgewinde     Schraubgewinde     Schraubgewinde       Stranding     1     Schraubgewinde     Schraubg	Current operating per contact max.	4 A	
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Number of signals per port     2       Installation   Connection       Mounting set     M12 x 1       Mounting method     Sohraubgewinde       Height     100 mm       Width     50.2 mm       Depth     17 mm       Dable identification     374       Cable identification     374       Cable identification     374       Cable identification     if yay       Jacket Color     gray       Type of Certificate     URus       Amount stranding (type 2)     1       Stranding (type 2)     9 wires strated       Yeard of certificate     gray-prink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown - grae- gray)       Cable weight     140,94 µm       Material jacket     7± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CPC-free, silicone-free       Outer diameter (sheath)     45 %       Material inner jacket     PVC       Color (mine jacket)     9× free       Color (mine jacket)     9× free       Color (mine jacketh)     1,3 mm	Total current at 2 times current feed-in max.	16 A	
Number of signals per port     2       Installation   Connection       Mounting set     M12 x 1       Mounting method     Sohraubgewinde       Height     100 mm       Width     50.2 mm       Depth     17 mm       Dable identification     374       Cable identification     374       Cable identification     374       Cable identification     if yay       Jacket Color     gray       Type of Certificate     URus       Amount stranding (type 2)     1       Stranding (type 2)     9 wires strated       Yeard of certificate     gray-prink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown - grae- gray)       Cable weight     140,94 µm       Material jacket     7± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CPC-free, silicone-free       Outer diameter (sheath)     45 %       Material inner jacket     PVC       Color (mine jacket)     9× free       Color (mine jacket)     9× free       Color (mine jacketh)     1,3 mm	Industrial communication		
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Mechanical data   Mounting data       Mounting method     Schraubgewinde       Height     100 mm       Width     50.2 mm       Depth     17 mm       Installation   Cable     Installation   Cable       Cable identification     374       Cable identification     374       Cable identification     374       Cable of Cable     Hybrid. Signal, Power       Jacket Color     gray       Type of Cartificate     cJRus       Anount stranding     1       Stranding     4 wires twisted       Anount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       wire arrangement     gray-prink.whire, red-blue, green, green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown green, gray)       Cable weight     140,34 g/m       Material jacket     PUR       Shore hardness jacket     87 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     9.2 mm       Tolerance outer diameter (jacket)     9.2 mm       Color (	Installation   Connection		
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Stranding4 wires twistedAmount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination twistedwire arrangementgray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown- green, gray)Cable weigth140,94 g/mMaterial jacketPURShore hardness jacket87 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)9.2 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation4 %Shore hardness wire insulation9.2 thMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free			
Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     wire arrangement   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)     Cable weigth   140,94 g/m     Material jacket   PUR     Shore hardness jacket   87 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   9,2 mm     Tolerance outer diameter (sheath)   ± 5 %     Material inner jacket   PVC     Color (inner jacket)   gray     Material wire insulation   PVC     Amount wires   8     Outer diameter tolerance core insulation   1,3 mm     Outer diameter tolerance core insulation   43 ± 5 Shore D     Material properties wire insulation   43 ± 5 Shore D     Material properties wire insulation   lead-free, cadmium-free, CFC-free, silicone-free			
Stranding (type 2)   9 wires around Stranding combination twisted     wire arrangement   gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown- green, gray)     Cable weigth   140,94 g/m     Material jacket   PUR     Shore hardness jacket   87 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   9.2 mm     Tolerance outer diameter (sheath)   ± 5 %     Material inner jacket   PVC     Color (inner jacket)   gray     Material wire insulation   PVC     Amount wires   8     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			
wire arrangementgray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown- green, gray)Cable weigth140,94 g/mMaterial jacketPURShore hardness jacket87 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)9.2 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free			
wire arrangement     green, gray)       Cable weigth     140,94 g/m       Material jacket     PUR       Shore hardness jacket     87 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     9,2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material inner jacket     PVC       Color (inner jacket)     gray       Material wire insulation     PVC       Amount wires     8       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			
Material jacketPURShore hardness jacket87 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)9,2 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, CFC-free, silicone-free	wire arrangement		
Material jacket   87 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   9,2 mm     Tolerance outer diameter (sheath)   ± 5 %     Material inner jacket   PVC     Color (inner jacket)   gray     Material wire insulation   PVC     Amount wires   8     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	Cable weigth	140,94 g/m	
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)9,2 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, CFC-free, silicone-free	Material jacket	PUR	
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)9,2 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter tolerance core insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, CFC-free, silicone-free	Shore hardness jacket	87 ± 5 Shore A	
Tolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	-	lead-free, cadmium-free, CFC-free, silicone-free	
Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	Outer-diameter (jacket)		
Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	Tolerance outer diameter (sheath)	±5%	
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	Material inner jacket		
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	Color (inner jacket)	gray	
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	Material wire insulation	PVC	
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 wires	8	
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	Outer diameter insulation	1,3 mm	
Material properties wire insulation good machinability   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer diameter tolerance core insulation	±5%	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	43 ± 5 Shore D	
-	Material properties wire insulation	good machinability	
Amount strands (wire) 19	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free	
	Amount strands (wire)	19	

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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)	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 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
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
Current carrying capacity min. wire (Power)	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)	0° 08
Operating temperature min. (dynamic)	-5 ℃
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
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	2 m/s @ 25 °C
Connection type 2	
Family construction form	free cable end
Color contact carrier	gray
No. of poles	13
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	Α
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-

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PIN 4 PIN 5 NO S 1 PE

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