

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

10.0m PUR/PVC 16x0,34+5x0,75

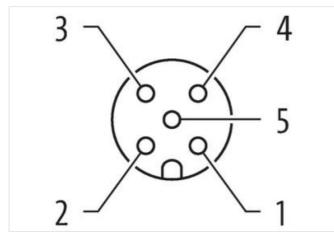
Further cable lengths on request. 8-way, 5-pole Plastic housings with good resistance against chemicals and oils. PUR/PVC The resistance to aggressive media should be individually tested for your application. Further details on request. potentially separated with LED for digital PNP-signals 24 V DC

## Link to Product





gn/ye blue1 (-1) blue2 (-2)	t+) 1 mont	Brown 2. (+2) gray/(pink	white red/blue	green wh/gr	yellow br/gn gray	will ye	prek ye/br	wh/gray black	gray/thr violet
	+1 +2	1.1.	1 1	2 11		13   5		15 7	16 8
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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	85444290
GTIN	4048879064217
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	
Material housing	РВТ
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
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	404
Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
STOOW style jacket	Hybrid, Signal, Power
Amount stranding	1
Stranding	5 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	16 wires around Stranding combination twisted
wire arrangement	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)
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Cable weigth	257,87 g/m
Material jacket	PUR

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Procedor from ingredients (actival)     las/free, caterimer free, CPC Free, sillcore free       Outler diversite (ploate)     12.5 m/m       Attactival mere packet     PVC       Outler (marking (ploate)     12.5 m/m       Attactival mere packet     PVC       Outler diversite (ploate)     16       Outler diversite (ploate)     15.5 m/m       Outler diversite (ploate)     5.5 m/m       Diversite (ploate)     0.15 m/m       Conductor (ploate)     0.15 m/m       Conductor (ploate)     0.31 m/m       Conductor (ploate)     0.32 m/m       Miterial arcocol (ploate)     0.32 m/m       Conductor (ploate)     0.35 m/m </th <th>Shore hardness jacket</th> <th>87 ± 5 Shore A</th>	Shore hardness jacket	87 ± 5 Shore A
Telerance outer diameter (sheath)     ± 5 %.       Material interipation     PVC       Confirmer jushedt     gray       Material interipation     PVC       Anount wire     15       Outer dimensional interipation     1.5 %.       Stores Installation     1.4 mm       Outer dimension installation     1.5 %.       Stores Installation     5.5 Shore D       Material properties wire installation     good machinability       Improdent Tennesses wire installation     1.9 The machinability       Dimender of insigned wires     0.15 mm       Conductor orossection (wire)     0.34 mm <sup>2</sup> Conductor vires     0.57 mm       Conductor vires     0.57 mm       Conductor vires     0.57 mm       Conductor vires     0.57 mm       Conductor vires installation (Power)     9.20 Conductor Consecution       Conductor vires installation (Power)     15 %       Shore Inderdises wire installation (Power)     16 % for the machine installation (Power)       Conductor vires installation (Power)     16 % for the machine installation (Power)       Anount strands wire insulation (Power)     16 % for the machine installatio	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material ver insulation     PVC       Color (inner jacket)     gray       Material ver insulation     PVC       Amount vies     16       Color dimeter insulation     1.4 mm       Outer dimeter insulation     5.5 %.       Show hardness wire insulation     5.5 %.       Material proporties wire insulation     goat frameser insulation       Ingredient framese wire insulation     goat frameser insulation       Ingredient framese wire insulation     goat frameser insulation       Conductor consection (view)     0.34 mm <sup>2</sup> Dameter of single wires     0.15 mm       Conductor consection (view)     0.34 mm <sup>2</sup> Material ver insulation (Power)     0.34 mm <sup>2</sup> Material ver insulation (Power)     2.2 mm       Todera courd endres wire insulation (Power)     25 %       Shore hardness wire insulation (Power)     43.5 Shore D       Material ver singlewing     5 %       Shore hardness wire insulation (Power)     43.5 Shore D       Material properties wire insulation (Power)     43.5 Shore D       Material properties wire insulation (Power)     43.5 Shore D       Material properties wire insulation (Power)<	Outer-diameter (jacket)	12,5 mm
Color (mare jabel)     gray       Material wire insulation     PVC       Anount wires     16       Outer diameter insulation     1.5 %       Shore handbres wire insulation     9.5 %       Shore handbres wire insulation     9.6 %       Shore handbres wire insulation     18.4 mm       Ingredient thereases wire insulation     Isode calculation       Ingredient thereases wire insulation     Isode machineshollty       Ingredient thereases wire insulation     Isode machineshollty       Conductor prosessection (wire)     0.34 mm?       Conductor rowsessection (wire)     0.34 mm?       Conductor wire insulation (Power)     9.004 machinability       Conductor rowses wire insulation (Power)     15.5 %       Shore hardness wire insulation (Power)     14.5 % fore D       Material inspredient kines insulation (Power)     14.5 %       Danater of singly kinesk (Powor)     15.5 %       Shore hardness kine insulation (Power)     15.5 %       Danater of singly kinesk (Powor	Tolerance outer diameter (sheath)	±5%
Color (mare jabel)     gray       Material wire insulation     PVC       Anount wires     16       Outer diameter insulation     1.5 %       Shore handbres wire insulation     9.5 %       Shore handbres wire insulation     9.6 %       Shore handbres wire insulation     18.4 mm       Ingredient thereases wire insulation     Isode calculation       Ingredient thereases wire insulation     Isode machineshollty       Ingredient thereases wire insulation     Isode machineshollty       Conductor prosessection (wire)     0.34 mm?       Conductor rowsessection (wire)     0.34 mm?       Conductor wire insulation (Power)     9.004 machinability       Conductor rowses wire insulation (Power)     15.5 %       Shore hardness wire insulation (Power)     14.5 % fore D       Material inspredient kines insulation (Power)     14.5 %       Danater of singly kinesk (Powor)     15.5 %       Shore hardness kine insulation (Power)     15.5 %       Danater of singly kinesk (Powor	Material inner jacket	PVC
Material wire insulation     PVC       Arrount wires     16       Outer dumeter tolerance one insulation     1.5 %       Shore hardness wire insulation     55 Shore D       Material properties wire insulation     600 march andress wire insulation       Ingredient freeness wire insulation     100 march andress wire insulation       Annunt strands (wire)     19       Dander of angle wires     0.15 mm       Conductor prosession (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor proses wire insulation (Power)     2.22 mm       Tolerance outer wire insulation (Power)     42.5 Shore D       Material properties wire insulation (Power)     42.5 Chore, silcone-free       Printing coluture wire insulation (Power)     5       Annuelt strands wire insulation (Power)     42.5 Chore, silcone-free		gray
Outer diameter insulation     1.4 mm       Outer diameter insulation     5 %       Shore hardness wire insulation     55 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead free, calmium-free, CFC-free, silicone-free       Anount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor crossescient (wire)     0.34 mm²       Material vire insulation (Power)     Strand class 5       Conductor vires insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     good machinability       Ingredient freeness wire insu		PVC
Outer diameter insulation     1.4 mm       Outer diameter insulation     5 %       Shore hardness wire insulation     55 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead free, calmium-free, CFC-free, silicone-free       Anount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor crossescient (wire)     0.34 mm²       Material vire insulation (Power)     Strand class 5       Conductor vires insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     2.2 mm       Tolerance outer dimeter wire insulation (Power)     good machinability       Ingredient freeness wire insu	Amount wires	16
Outer diameter tolerance or e insulation     1.5 %       Shore hardness wire insulation     5.6 Shore D       Material properties wire insulation     lead tree, cadmium free, CPC tree, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.34 mm²       Material properties wire insulation     PVC       Conductor robusted in wires     Strand class 5       Material and inversion     PVC       Conductor type (wire)     Strand class 5       Material inversion     PVC       Conductor type (wire)     2.2 mm       Toferance outer diameter wire insulation (Power)     2.2 mm       Toferance outer diameter wire insulation (Power)     43±5 Shore D       Material conductor wire insulation (Power)     43±5 Shore D       Material properties wire insulation (Power)     42       Diameter of single wires (Power)     5       Anount strands wire (Power)     5       Tarward disdance (Clastack)     5		
Shore hardness wire insulation     55 Shore D       Material properties wire insulation     god machinability       Impredient Teenses wire insulation     lead-free, CFC-free, slicone-free       Anount strands (wire)     19       Damater of single wires     0,34 mm <sup>0</sup> Conductor reseasedion (wire)     0,34 mm <sup>0</sup> Conductor wire     Stranded copper wire, bare       Conductor wire (wire)     Stranded copper wire, bare       Conductor wire insulation (Power)     2.2 mm       Tearance cuire familiamet wire insulation (Power)     2.2 mm       Tearance cuire familiamet wire insulation (Power)     2.2 mm       Tearance cuire familiamet wire insulation (Power)     2.2 mm       Tearance cuire insulation (Power)     425 Shore D       Material properties wire insulation (Power)     425 Shore D       Material properties wire insulation (Power)     424       Damater of single wires (Power)     42       Printing colaur wire insulation (Power)     42       Damater of wires (Power)     0.15 mm       Wire conductor roses section (Power)     0.15 mm       Miterial conductor wire (Power)     15 mdeg 5 °C       Current toad capacity (standard)		
Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-fee, cadinum-free, CFC-free, silicone-free       Amount strands (wire)     0.15 mm       Conductor crosssection (wire)     0.34 mm?       Material conductor wire     Stranded copper wire, bare       Conductor crosssection (wire)     Stranded copper wire, bare       Conductor vipe (wire)     Stranded copper wire, bare       Material properties wire insulation (Power)     425 %       Shore hardness wire insulation (Power)     Isse Shore D       Material properties wire insulation (Power)     Vibit (isolation brown)       Amount wise (Power)     Stranded copper wire, bare       Diameter of single wires (Power)     Stranded copper wire, bare       Conductor vipe (Power)     Stranded copper wire, bare       Conductor vipe (Power)     Stranded copper wire, bare       Conductor vipe (Power)		
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor varies     D.15 mm       Conductor varies     Stranded copper wire, bare       Conductor varies     D.15 mm       Conductor varies     Stranded copper wire, bare       Toreare cuter environs     43:55 Store D       Material properties wire insulation (Power)     42:0       Diameter of single wires (Power)     5       Amount strands wire (Power)     Strande copper wire, bare       Conductor yree (Power)     Strande copper wire, bare       Conductor yree (Power)     Strande copper wire, bare       Conductor yree wire (Power)     Stram of cosper 4		
Amount strands (wire)     19       Diameter of single wires     0,15 mm       Concluctor orssaction (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)     45 %       Opter diameter wire insulation (Power)     43:5 Shore D       Material wire insulation (Power)     43:5 Shore D       Material properties wire insulation (Power)     6       Diameter of single wires (Power)     5       Amount wires (Power)     5       Amount wires (Power)     0.15 mm       Wire conductor wire (Power)     Stranded coper wire, bare       Concluctor type wire (Power)     Stranded coper wire, bare       Concluctor type wire (Power)     0.15 mm       Material conductor wire (Power)     Stranded coper wire, bare       Conductor type wire (Power)     Stranded coper wire, bare		
Diameter of single wires     0,15 mm       Conductor crossection (vire)     0,34 mm <sup>3</sup> Material conductor vire     Strand copper vire, bare       Conductor type (vire)     Strand copper vire, bare       Conductor type (vire)     Strand class 5       Material conductor vies insulation (Power)     2.2 mm       Older daneter vire insulation (Power)     43:5 Shore D       Material properties wire insulation (Power)     90:00 machinability       Ingredient Teness wire insulation (Power)     90:00 machinability       Amount Stands wire (Power)     5       Amount Stands wire (Power)     5       Material conductor vires Seection (Power)     0,75 mm <sup>3</sup> Material conductor vires Seection (Power)     0,75 mm <sup>3</sup> Conductor type wire (Power)     5 m @ 25 °C       Current load capacity (standard on)     10 DN VDE C298-4       Current load capacity (standard on)     300 V       Max. rated voltage power (conductor - ground)     300 V		
Conductor vise     0,34 mm²       Material conductor wise     Stranded copper wire, bare       Conductor yre (wire)     Strand class 5       Material wire insulation (Power)     PVC       Outer diameter wire insulation (Power)     2.2 mm       Tolerance outer diameter wire insulation (Power)     43:5 Shore D       Material properties wire insulation (Power)     15 %.       Shore hardness wire insulation (Power)     lead-free. cadmium-free. CFC-free, silicone-free       Printing colour wire insulation (Power)     staf-free. cadmium-free. CFC-free, silicone-free       Amount wires (Power)     5       Amount wires (Power)     5       Amount wires (Power)     42       Diameter of single wires (Power)     0,75 mm²       Material conductor wire (Power)     Stranded copper wire, bare       Conductor type wire (Power)     Stranded copper wire, bare       Carrent load capacity (standard)     to DIN VDE 0298-4       Current load capacity wire (Power)     26 Ω/m @20 °C       L		
Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Material wire insulation (Power)     2,2 mm       Tolerance outer diameter wire insulation (Power)     2,5 %       Shore hardness wire insulation (Power)     43:5 Shore D       Material wire insulation (Power)     43:5 Shore D       Material wire insulation (Power)     43:5 Shore D       Material wire insulation (Power)     43:5 Shore D       Amount strands wire insulation (Power)     44:4       Diameter of single wires (Power)     5       Amount strands wire (Power)     5       Amount strands wire (Power)     42       Diameter of single wires (Power)     0,75 mm <sup>2</sup> Material conductor wire (Power)     5 Stranded copper wire, bare       Conductor type wire (Power)     5 Stranded copper wire, bare       Conductor wire (Power)     5 Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standa	-	·
Conductor type (wire)     Strand class 5       Material wire insulation (Power)     PVC       Outer diameter wire insulation (Power)     2.2 mm       Tolerance outer diameter wire insulation (Power)     2.5 %       Shore hardness wire insulation (Power)     gads 5       Material properties wire insulation (Power)     gads 5 hore D       Material properties wire insulation (Power)     gads file.       Printing colur wire insulation (Power)     wire insulation to (Power)       Amount wires (Power)     5       Amount strands wire (Power)     5       Amount strands wire (Power)     0.75 mm²       Material conductor wire (Power)     0.75 mm²       Material conductor wire (Power)     Stranded copper wire, bare       Conductor wire (Power)     Strande dosper wire, bare       Conductor wire (Power)     Stranded copper wire, bare       Conductor wire (Power)     Stranded capacity (strandard)       Io DIN VDE COSP4     A       Electrical resistance on ine constant wire     57 Ωkm @20 °C       Lower wire subate wire (Power)     28 Ωkm @20 °C       Loop resistance     7,8 A       Max. rated voltage power (conductor - ground)     300 V		
Material wire insulation (Power)     PVC       Outer diameter wire insulation (Power)     2.2 mm       Tolerance outer diameter wire insulation (Power)     45 %       Shore hardness wire insulation (Power)     4325 Shore D       Material properties wire insulation (Power)     4325 Shore D       Material properties wire insulation (Power)     4325 Shore D       Material properties wire insulation (Power)     tead-free, cadmium-free, CFC-free, silicone-free       Printing colour wire insulation (Power)     5       Amount strands wire (Power)     42       Diameter of single wires (Power)     0.15 mm       Wire conductor cross section (Power)     Stranded opper wire, bare       Conductor type wire (Power)     Stranded copper wire, bare       Conductor type wire (Power)     strand class 6       Traversing distance (C-track)     5 m@ 25 °C       Current load capacity min. wire     4 A       Electrical resistance line constant wire     57 Δkm @ 20 °C       Electrical resistance ince constant wire     57 Δkm @ 20 °C       Loop resistance     300 V       Max. rated voltage power (conductor - ground)     300 V       Max. rated voltage power (wire - wire)     2 kV @ 60 s		
Outer diameter wire insulation (Power)     2.2 mm       Tolerance outer diameter wire insulation     ±5 %       Shore hardness wire insulation (Power)     43±5 Shore D       Material properties wire insulation (Power)     43±5 Shore D       Imagediant fleeness wire insulation (Power)     43±5 Shore D       Imagediant fleeness wire insulation (Power)     white (isolation bule), white (isolation brown)       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)     stranded copper wire, bare       Canductor type wire (Power)     stranded copper wire, bare       Canductor type wire (Power)     stranded copper wire, bare       Canductor type wire (Power)     stranded copper wire, bare       Caruer to ad capacity min. wire     4 A       Electrical resistance line constant wire     57 O.Km @ 20 °C       Electrical resistance fue constant wire     57 O.Km @ 20 °C       Electrical resistance fue constant wire     300 V       Max. rated voltage power (conductor - ground)     300 V       Max. rated voltage p		
Tolerance outer diameter wire insulation (Power)   ±5 %     Shore hardness wire insulation (Power)   good machinability     Ingredient freeness wire insulation (Power)   good machinability     Ingredient freeness wire insulation (Power)   good machinability     Ingredient freeness wire insulation (Power)   white (isolation bue), white (isolation brown)     Amount wires (Power)   5     Amount wires (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     Traversing distance (C-track)   5 m @ 25 °C     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire (Power)   300 V     Awa. rated voltage power (conductor - ground)   300 V     Power frequency wirbstand voltage power   2k V @ 60 s     Min. operating temperature (static)   -30 °C     Mix. rated voltage power (wire - wire)   2k V @ 60 s     Min. operating temperature (static)		
(Power)     25 %       Shore hardness wire insulation (Power)     4345 Shore D       Matrial properties wire insulation (Power)     lead-free, cadmium-free, CFC-free, silicone-free       Printing colour wire insulation (Power)     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands wire (Power)     5       Amount strands wire (Power)     42       Diameter of single wires (Power)     0.15 mm       Material properties wire (Power)     0.75 mm <sup>2</sup> Material conductor cross section (Power)     stranded copper wire, bare       Conductor by wire (Power)     stranded copper wire, bare       Current load capacity (sta		2,2 mm
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 wires (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 try be wire (Power)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)		±5 %
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)     5       Amount strands wire (Power)     42       Diameter of single wires (Power)     0,15 mm       Wire conductor wire (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 (standard)     to DIN VDE 0298-4       Electrical resistance ince constant wire     57 Ω/km @ 20 °C       Loop resistance     7,8 A       Max. rated voltage power (conductor - ground)     300 V       Max. rated voltage power (conductor - ground)     300 V       Power frequency withstand voltage power (wire - wire)     2 kV @ 60 s       Ac withstand voltage power (wire - wire)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C       Operating temperature (static)     -30 °C       Coperating temperature (static)     5 °C <td>Shore hardness wire insulation (Power)</td> <td>43±5 Shore D</td>	Shore hardness wire insulation (Power)	43±5 Shore D
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 coss section (Power)   0.75 mm²     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 ine constant wire   57 ΩKm @ 20 °C     Electrical resistance coating wire (Power)   300 V     Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Mat. rated voltage power (wire - wire)   2 kV @ 60 s     Max. operating temperature (fixed)   80 °C     Operating temperature (stalc)   -5 °C     Operating temperature (stalc)   -5 °C     Operating temperature (stalc)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Chemicial resistance   Good, application-r	Material properties wire insulation (Power)	good machinability
Amount wires (Power)   5     Amount strands wire (Power)   42     Diameter of single wires (Power)   0,15 mm²     Material conductor wire (Power)   0,75 mm²     Material conductor wire (Power)   Stranded copper wire, bare     Conductor type wire (Power)   stranded copper wire, bare     Conductor type wire (Power)   stranded copper wire, bare     Conductor type wire (Power)   stranded copper wire, bare     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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -30 °C     Operating temperature (fixed)   80 °C     Operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature min. (dynamic)   70 °C     Flame resistance	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
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     Traversing distance (C-track)   5 m @ 25 °C     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4 A     Electrical resistance ine 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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (statc)   -30 °C     Max. operating temperature (fixed)   80 °C     Operating temperature (fixed)   80 °C     Operating temperature (fixed)   80 °C     Operating temperature (fixed)   70 °C     Flame resistance   Good, application-related testing     Operating temperature (fixed)	Printing colour wire insulation (Power)	white (isolation blue), white (isolation brown)
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     Traversing distance (C-track)   5 m @ 28 °C     Current load capacity (strandard)   to DIN VDE 0298-4     Current load capacity (strandard)   300 V     Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (stratic)<	Amount wires (Power)	5
Wire conductor cross section (Power)   0,75 mm²     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 wire   4 A     Electrical resistance inc constant wire   57 Ω/km @ 20 °C     Loop resistance   7,8 A     Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Max. operating temperature (tsatc)   -30 °C     Max. operating temperature (statc)   -5 °C     Operating temperature (statc)	Amount strands wire (Power)	42
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 constant wire   70 /km @ 20 °C     Loop resistance   7,8 A     Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -5 °C     Operating temperature (static)   70 °C     Flame resistance   UL 1581 § 1100 F12   UL 1581 § 1090   IEC 60332-2-2	Diameter of single wires (Power)	0,15 mm
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 (standard)   to DIN VDE 0298-4     Current load capacity (standard)   5 DIN VDE 0298-4     Current load capacity min. wire   4 A     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 - ground)   300 V     Power frequency withstand voltage power (conductor - conductor)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature (ifxed)   80 °C     Operating temperature min. (dynamic)   -5 °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 t	Wire conductor cross section (Power)	0,75 mm <sup>2</sup>
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 line constant wire   57 Ω/km @ 20 °C     Loop resistance   7,8 A     Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Max. operating temperature (static)   -30 °C     Max. operating temperature (fixed)   80 °C     Operating temperature (min. dynamic)   -5 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature min. (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     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Bending ra	Material conductor wire (Power)	Stranded copper wire, bare
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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -30 °C     Max. operating temperature (static)   -30 °C     Max. operating temperature (itized)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature min. (dynamic)   70 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Conductor type wire (Power)	strand class 6
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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   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     Gasoline resistance   DIN EN 60811-404   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	Traversing distance (C-track)	5 m @ 25 °C
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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Max. 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     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 × Outer diameter     Bending radius (qynamic)   10 × Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
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 - ground)   300 V     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Max. 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     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 × Outer diameter     Bending radius (qynamic)   10 × Outer diameter	Current load capacity min. wire	4 A
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 - wire)   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 max. (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   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 × Outer diameter     Bending radius (dynamic)   10 × Outer diameter	· · ·	57 Ω/km @ 20 °C
Loop resistance7,8 AMax. rated voltage power (conductor - ground)300 VMax. rated voltage power (conductor - conductor)300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter		
Max. rated voltage power (conductor - ground)   300 V     Max. rated voltage power (conductor - ground)   300 V     Power frequency withstand voltage power (wire - yacket)   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     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		-
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	•	· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Max. rated voltage power (conductor -	
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	Power frequency withstand voltage power	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		2 kV @ 60 s
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		
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		
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		
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		
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		
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		
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter		
Bending radius (dynamic) 10 x Outer diameter		
Connection type 2	Bending radius (dynamic)	10 x Outer diameter
	Connection type 2	

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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

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