

## M12 male 0° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 bk UL/CSA+drag ch. 0.4m

MSUD

Form BI (11 mm) - M12, male straight

24 V AC ±20% / DC ±25%

LED and suppression

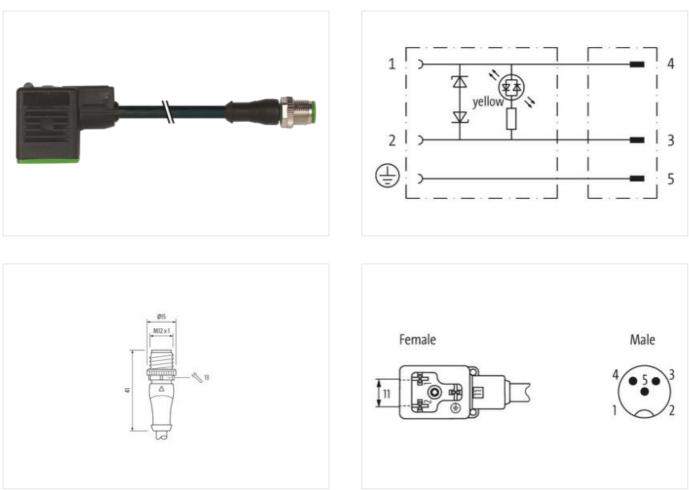
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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

## Link to Product





Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi





Product may differ from Image



Cable length	0,4 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $Ø$ )	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909102862
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	

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: 2024-05-10

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Operating voltage AC min.       19.2 V         Operating voltage BC max.       28.4 V         Operating voltage BC C max.       39.V         Current operating voltage DC max.       39.V         Current operating voltage max.       4.A         Diagnotics       Unit operating voltage max.         Diagnotics       V         Diagnotics       V </th <th>Operating voltage AC</th> <th>24 V</th>	Operating voltage AC	24 V
Operating voltage DC       24 V         Operating voltage DC max.       30 V         Calved tpeak voltage max.       55 V         Canvel operating voltage provided max.       4 A         Diagnostics       Status indication LED         Status indication LED       yellow         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       0.8 kV         Metade surge voltage       0.8 kV         Mounting method       insorted, screwed         Color housing       black         Mounting method       insorted, screwed         Coperating temperature min.       -25 °C         Operating temperature min.       -25 °C         Note on bending radiu       Oblicent beneration beneation foremonohanical loads, e.g. by the usage of cable fees. </td <td>Operating voltage AC min.</td> <td>19,2 V</td>	Operating voltage AC min.	19,2 V
Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Cuil Or pek voltage max.       55 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       yellow         Device protection   Electrical       Additional condition protection degree         Inserted, screwed       Polituion Dagree         Old not and screwed       0.8 kV         Mechanical data   Material data       Color housing         Color housing       Back         Material housing       Plastic         Mechanical data   Mounting data       Machanical data   Mounting data         Mounting method       inserted, screwed         Environmental characteristics   Climatic       Operating temperature man.         Operating temperature man.       25 °C         Operating reducts       Eductor         Additional condition temperature range	Operating voltage AC max.	28,8 V
Operating voltage DC max.       30 V         Cal off posk voltage max.       55 V         Cal off posk voltage max.       55 V         Cal off posk voltage max.       4 A         Diagnostice       Status indication LED         Status indication LDD       yellow         Device protection Electrical       Inserted, screwed         Pollution Degree       3         Ratide surge voltage       0,8 V         Mechanical data Material data       Inserted, screwed         Color housing       black         Material housing       Platto         Mouting mothod       Inserted, screwed         Environmental characteristics [Climatic       Environmental characteristics [Climatic         Caparating temperature min.       25 °C         Operating temperature min.       25 °C         Operating temperature max.       85 °C         Cadional condition notes       Protect the connectors by stutable measures from mechanical loads, e.g. by the usage of cable ites.         Note on banding radius       Attention: Conserve the protection class can be endangered by oxocasive banding frost.         Cato standard       DIN EN 81076-2101 (M12); DIN EN 175301-803 (Ventilstexker)         Instan inlicion (Cable       S6	Operating voltage DC	24 V
Out-of greak variage max.       55 V         Current operating per contact max.       4 A         Device protection   Electrical       Status indication LED       yellow         Device protection   Electrical       Additional consistion protection degree       3         Rated surge variage       0.8 kV       Mechanical data   Material data         Device protection   Electrical       Material data       Material housing       Plastic         Material housing       Plastic       Mechanical data   Material data       Material housing       Plastic         Operating temperature max.       26 °C       Commental characteristics   Climatic       Coperating temperature max.       85 °C         Additional constition temperature max.       85 °C       Coperating temperature max.       85 °C         Additional constition temperature max.       85 °C       Coperating temperature max.       85 °C         Note on stain relof       Protoct the connectors by suitable measures from mechanical faads, e.g. by the usage of cable lites.         Note on takin relof       Protoct the connectors by suitable measures from mechanical faads, e.g. by the usage of cable lites.         Catabi dontification       636       Cable Operation of and installation moles         Catabi dontification       636       Cable Operaticatis	Operating voltage DC min.	18 V
Cut-off peek voltage max.   95 V     Current operating per contact max.   4 A     Device protection [Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rate stage voltage   0.8 kV     Mechanical data   Material data   Coder housing     Device protection   Electrical     Material housing   Datack     Material housing   Plastic     Mechanical data   Material data   Coder housing     Device protection [Electrical   Coder housing     Material housing   Plastic     Mechanical data   Mounting data   Coder housing     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature max.   85 °C     Note on bending radius   Attention: Observe the permissible bending radii when taying cobles, as the IP protection class can be endargered by excessive bending forces.     Contomity   Protoct the connectors by suitable measures from mechanical leads, e.g. by the usage of cable los.     Note on bending radius   Attention: Observe the permissible bending radii when taying cobles, as the IP protection class can be endargered by excessive bending forces.     Contomity   Protoct the connectors by suitable measures from mechanical leads, e.g. by the usage of cable lo		30 V
Current operating per contact max.       4 A         Dispositic       Status indication LED       yellow         Device protection [Electrical       Inserted, screwed       Pollution Dagree       3         Additional condition protection degree       3 &       Retact surge voltage       0.8 kV         Mechanical data   Material data       Color housing       black       Material housing       Plastic         Material housing       Plastic       Mechanical data   Mounting data       Mounting method       inserted, screwed         Environmental characteristics   Climatic       Operating temporature nni.       -25 °C       Operating temporature nni.       -25 °C         Operating temporature nni.       -25 °C       Operating temporature nni.       -25 °C         Operating temporature nni.       -25 °C       Operating temporature nni.       -25 °C         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief       Note on strain relief <td></td> <td>55 V</td>		55 V
Disposition       Service protection   Electrical         Device protection   Electrical       inserted, screwed         Additional condition problection ofgere       inserted, screwed         Pollution Dargine       3         Rated surge voltage       0.8 kV         Color housing       black         Material housing       Plastic         Color housing       black         Material housing       Plastic         Mechanical dital [Mounting data       Material housing         Mechanical dital [Mounting data       Screwed         Environmental characteristics [Climatic       Screwed         Environmental characteristics [Climatic       Goperating temperature nam.         Operating temperature nam.       -25 r0 -         Note on stan relef       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.         Note on shard in relef       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.         Data of stan fuel on the load item of the load item		4 A
Status indication LED       yellow         Device protection   Electrical		
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Mechanical datal Material data   E     Color housing   black     Material housing   Plastic     Mechanical data Material data   E     Color housing   black     Material housing   Plastic     Mechanical data Material data   E     Color housing   black     Material housing   Plastic     Mechanical data Material data   E     Coperating temperature min.   -29 °C     Operating temperature min.   -29 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Inpart installation notes   E     Note on shain rollef   Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.     Note on shain rollef   DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)     Installion Cable   E     Cable forth   black     Tops of Carling   3     Pointing color of wire insulation   write (solation black)     Jacket Color   black 1, black 2, green-yellow     Traversing distance (-track)   10 m @ 25 °C (-thouzontal		yellow
Pollution Degree   3     Rated surge voltage   0.8 kV     Mechanical data   Material data   Colv housing     Delack   Plastic     Methanical data   Mounting data   Plastic     Mechanical data   Mounting data   Inserted, screwed     Environmential characteristics   Climatic   Operating temperature max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Conformity   Product standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)     Installation (Cable     Cable dentification   636     Cable Or type   3     Printing color of wire insultation   white (isolation black)     Jacket Color   black     Type of Centificatie   cURus     Armount stranding   1     Stranding   3 wires twisted     Wire stranding   1     Stranding   3 wires twisted <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Pollution Degree   3     Rated surge voltage   0.8 kV     Mechanical data   Material data   Colv housing     Delack   Plastic     Methanical data   Mounting data   Plastic     Mechanical data   Mounting data   Inserted, screwed     Environmential characteristics   Climatic   Operating temperature max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectores by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Conformity   Product standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)     Installation (Cable     Cable dentification   636     Cable Or type   3     Printing color of wire insultation   white (isolation black)     Jacket Color   black     Type of Centificatie   cURus     Armount stranding   1     Stranding   3 wires twisted     Wire stranding   1     Stranding   3 wires twisted <t< td=""><td>Additional condition protection degree</td><td>inserted. screwed</td></t<>	Additional condition protection degree	inserted. screwed
Rated surge voltage       0.8 kV         Mechanical data   Material data       Environmental data   Material housing         Material housing       Plastic         Mechanical data   Mounting data       Inserted, screwed         Mechanical data   Mounting data       Inserted, screwed         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Note on strain relief         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Contermity       Protect tha connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Product standard       DIN EN 61076-2:101 (M12); DIN EN 175301-803 (Ventilistecker)         Installation   Cable       Environ         Cable identification       636         Cable identification       636         Cable identification       Material buildsk)         Jacket Color       black 1, black 2, green-yellow         Traversing distance (C+track)       10 m @ 25 °C   horazontal         Cable weigth<	, -	
Mechanical data   Material data         Color housing       black         Material housing       Plastic         Mechanical data   Mounting data       Inserted, screwed         Environmental characteristics   Climatic       Color for the screwed         Environmental characteristics   Climatic       25 °C         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C         Note on strain relief       Protect the connectors by sutable measures from mechanical loads, e.g. by the usage of cable tes.         Note on bending radius       Atteriation: Coscerve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conormity       Protect the connectors by sutable measures from mechanical loads, e.g. by the usage of cable tes.         Material Cable       Dite N 61076-2:011 (M12); DIN EN 175301-803 (Ventilstecker)         Cable identification       636         Cable identification       636         Cable identification       White (isolation black)         Jacket Color       black         Type of Certificate       QURus         Amount stranding <td></td> <td>0.8 kV</td>		0.8 kV
Color housing       black         Material housing       Plastic         Mechanical data [Mounting data       inserted, screwed         Environmental characteristics [Climatic       Coperating temperature min.       -25 °C         Operating temperature max.       85 °C       Additional condition temperature range       depending on cable quality         Important installation notes       Important installation notes       Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.         Contornity       Installation (Cable       Cable forpe)         Protect standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstocker)         Installation (Cable       Cable forpe)       3         Printing color of wire insultation       while (isolation black)       Jacket Color         Type of Certificate       cDFusa       Color State         Amount stranding       1       Stranding       Stranding         Vire arrangement       black 2, green-yellow       Traversing distance (C-track)       10 m @ 25 °C (Ionizontall		
Material housing       Plastic         Mechanical data   Mounting data         Mounting method       inserted, screwed         Environmental characteristics   Climatic         Operating temperature min.       -25 ° C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Importal installation notes       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Environmental Cable         Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation [Cable       Environmental cable dendification data         Cable identification       636         Cable identification       636         Cable identification       636         Cable identification       636         Type of Certificate       cURus         Amount stranding       1         Stranding       3         Write stranding       1         Stranding       3 wires twisted         Write rangement       black 1, black 2, green-yellow         Traversing distance (C-track)       10 m @ 25 °C   horizontal	· · · · ·	
Mechanical data   Mounting data         Mounting method       inserted, screwed         Environmental characteristics   Climatic       C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature may.       depending on cable quality         Important installation notes       Venes the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Installation I Cable         Protect standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation I Cable       Gabe dentification         Cable dentification       Ga6         Cable dentification       Mount in sublation black,         Type of Cortificate       CURus		
Mounting method       inserted, screwed         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be enderged by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2·101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable identification       G36         Cable identification       G36       Cable identification         Type of Certificate       cURus       CuRus         Amount stranding       1       Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow       Traversing distance (C-track)       10 m @ 25 °C   horizontal         Cable weighth       56, 1 g/m       Material jacket       PUR       Shore A       Freedom from ingredients (jacket)       Ead-free, cadmium-free, CFC-free, halogen-free, silicone-fre	Material housing	Plastic
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important Installation notes       Note on strain relief         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Installation relief       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Strain relief       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)	Mechanical data   Mounting data	
Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature max.       depending on cable quality         Important Installation notes       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Conformity       The content of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Conformity       The content of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Cable identification       Cable identification (Cable Content of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Cable identification       Cable identification         Cable identification       Cable         Cable identification       Gabe         Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Traversing distance (C-track)       10 m @ 25 °C   horizontal	Mounting method	inserted, screwed
Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Conformity       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable force       Cable force         Cable force       336       Cable force       Cable force         Anount stranding       1       Stranding       1         Stranding       3 wires twisted       Mire arrangement       black         Traversing distance (C-track)       10 m @ 25 °C   horizontal       Cable wigh       56,1 g/m         Material jacket       PUR       Shore A       Freedom from ingredients (jacket)       90 ± 5 %         Material jacket       PUR       Shore M       Shore A       Freedom from ingredients (jacket)       5.9 mm         Traversing distance (c-tr	Environmental characteristics   Climatic	
Additional condition temperature range       depending on cable quality         Important installation notes       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable identification       636         Cable identification       636       Cable Type         Jacket Color       black       Diack         Type of Certificate       cURus       Curlus         Amount stranding       1       Stranding       3 wire stwisted         wire arrangement       black 1, black 2, green-yellow       Traversing distance (C-track)       10 m @ 25 °C   horizontal         Cable weigth       56,1 g/m       Material jacket       PUR         Shore hardness jacket       P0 ± 5 Shore A       Freadom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free         Outer-diameter (jacket)       5,9 mm       Tolerance outer diameter (s	Operating temperature min.	-25 °C
Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable forces.       Cable forces.         Cable distribution       Gable Cable Type       3         Printing color of wire insulation       white (isolation black)       Jacket Color         Jacket Color       black       Type of Certificate       cJRus         Amount stranding       1       Stranding       Stranding         Stranding       3 wires twisted       Stranding       Gable Type         Attention: Gase Carbinon       Sone A       Stranding       Stranding         Material jacket       PUR       Shore Andress jacket       PUR         Shore hardness jacket       90 ± 5 Shore A       Freedom from ingredients (jacket)       Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,9 mm       Sone A       Freedom from ingredients (jacket)       5 % </td <td>Operating temperature max.</td> <td>85 °C</td>	Operating temperature max.	85 °C
Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable form       Gase         Cable Type       3       3         Printing color of wire insulation       white (isolation black)       Jacket Color         Jacket Color       black       URUS         Type of Certificate       cURus       Cullus         Amount stranding       1       Stranding         Stranding       3 wires twisted       Stranding         Wire arrangement       black 1, black 2, green-yellow       Stranding         Taversing distance (C-track)       10 m @ 25 °C   horizontal       Cable rupe.         Cable type       5,1 g/m       Store hardness jacket       PUR         Shore hardness jacket       90 ± 5 Shore A       Freedom from ingredients (jacket)       Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,9 mm       Si %       Material wire insulation	Additional condition temperature range	depending on cable quality
Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable identification       636         Cable Type       3       Printing color of wire insulation       white (isolation black)         Jacket Color       black       DIRU       Standard       Standard         Vier arrangement       black 1, black 2, green-yellow       Stranding       1       Stranding         Strading jacket       90 LP       Store A       Prime Silcone-free       Store A         Freedom from ingredients (jacket)       90 ± 5 Shore A       Freedom from ingredients (jacket)       90 ± 5 Shore A         Freedom from ingredients (jacket)       5,9 mm       Store hardnees inclustion       ± 5 %         Material wire insulation       P/P       Amount wires       3       Outer diameter insulation       P/S	Important installation notes	
Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable identification       636         Cable identification       636       Cable Type       3         Printing color of wire insulation       white (isolation black)       Jacket Color       black         Type of Certificate       cURus       Culture       Cable disting       3       Stranding       1         Stranding       3 wires twisted       Stranding       1       Stranding       56.7 (prizontal         Cable weigth       56.1 g/m       Material jacket       PUR       Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       5.9 mm       Icera-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)       5.9 mm         Tolerance outer diameter (sheath)       ± 5 %       Material jack       PP       Amount wires       3       Outer diameter insulation       1.85 mm         Outer diameter insulation       1.85 mm       5%       Streadminum-free, Since A       Stranding       <	•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Conformity       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)         Installation   Cable       Cable identification       636         Cable identification       636       Cable Type       3         Printing color of wire insulation       white (isolation black)       Jacket Color       black         Type of Certificate       cURus       Amount stranding       1         Stranding       3 wires twisted       Vire arrangement       black 1, black 2, green-yellow         Traversing distance (C-track)       10 m @ 25 °C   horizontal       Cable weigth       56,1 g/m         Material jacket       PUR       Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)       5.9 mm         Tolerance outer diameter (jacket)       5.9 mm       Tolerance outer diameter (jacket)       5.9 mm         Tolerance outer diameter (jacket)       5.9 mm       Material wire insulation       PP         Amount wires       3       Outer diameter (jacket)       5.9 mm         Tolerance outer diameter (jacket)       5.9 mm       Material wire insulation       PP         Amount wires       3       3		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)Installation   CableCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth56,1 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %	Conformity	
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Outer-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %	-	90 ± 5 Shore A
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,85 mm       Outer diameter tolerance core insulation     ± 5 %		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,85 mm     Outer diameter tolerance core insulation   ± 5 %		
Amount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %	Tolerance outer diameter (sheath)	
Outer diameter insulation   1,85 mm     Outer diameter tolerance core insulation   ± 5 %	Material wire insulation	PP
Outer diameter tolerance core insulation   ± 5 %	Amount wires	3
	Outer diameter insulation	1,85 mm
Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter tolerance core insulation	±5%
	Shore hardness wire insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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: 2024-05-10

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Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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