

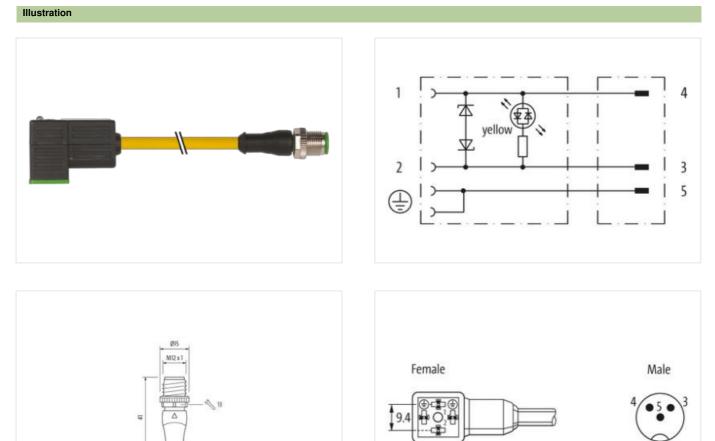
## M12 male 0° A-cod. / MSUD valve plug CI-9.4mm

PVC 3x0.75 ye 0.3m

## MSUD

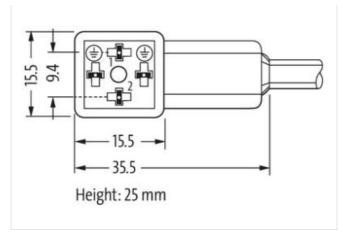
Form CI (9.4 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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: 2024-05-19 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	0,3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD CI
Thread	M3
No. of poles	4
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 $\emptyset$ )	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	4048879147194
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms

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Openating voltage AG min.     18.2 V       Operating voltage AG max.     28.8 V       Operating voltage DG     24. V       Operating voltage DG max.     30 V       Cord of park voltage max.     56 V       Current operating voltage max.     56 V       Current operating voltage max.     4 A       Diagnostic     Voltage Max       Additional condition protection degree     Inserted. ecrowed       Poliation operating voltage Max     0.4 V       Mechanical data Material data     Color housing       Material tracking voltage     0.4 V       Mechanical data Material data     Color housing       Material tracking voltage     0.4 V       Mechanical data Mounting data     Color housing       Mechanical data Mounting data     Color housing       Mechanical data Mounting data     So Color Color housing       Mechanical data Mounting data     So Color housing       Mechanical data Mounting data     So Color housing       Mechanical data Mounting data     Mechanical data Mounting data       Mechanical data Mounting data     Mechanical data Mounting data       Mechani data Mounting data     Mechani data <th>Operating voltage AC</th> <th>24 V</th>	Operating voltage AC	24 V
Operating voltage AC max.     28.8 V       Operating voltage DC     24 V       Operating voltage DC max.     36 V       Catef Desk voltage max.     55 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED       Device protection I Electrical     Additional contact max.       Additional contact max.     9 Nov       Device protection I Electrical     Additional contact max.       Additional contact max.     9 Nov       Device protection I Electrical     Additional contact max.       Additional contact max.     9 Nov       Device protection I Electrical     Additional contact max.       Material housing     Deak       Mechanical data I Material data     Mechanical data I       Color housing     Deak       Material housing     Peakic       Material transmitter Contact max.     85 °C       Color housing     deparding on cable quarky       Important Installation notes     Attention: Contervo the protection deas can be endangered by excessive bending roadit when alving cables, as the P protection deas can be endangered by excessive bending roadit when alving cables, as the P protection deas can be endangered by excessive bending roadit when	Operating voltage AC min.	19,2 V
Operating voltage DC     24 V       Operating voltage DC max.     36 V       Clard Break voltage max.     55 V       Clard Break voltage max.     4 A       Disposition     18 V       Status indication LED     yellow       Device protection [Sectrica]     Additional condition protection degree       Additional condition protection degree     isserted, screwed       Polution Degree     3       Reads surge voltage     0 8 X       Mechanical data [Material data]     Exact surge voltage       Color housing     black       Material housing     Pastic       Mechanical data [Material data]     Exact surge voltage       Coperating surgeriature max.     25 °C       Additional condition temperature may     depending on cable quality       Important Installation notes     Atomitor: Otherwise the promoscible bording radii when haying cables, as the IP protection class can be ortain neilef       Protect the connectors by suitable measures from mechanical calse, se of by the usage of cable fees.       Nate on strain neilef     Protect the connectors by suitable measures from mechanical calse, se of by the usage of cable fees.       Nate on strain neilef     Protect the connector by suitable measures fr		28,8 V
Operating voltage DC max.     90 V       Cut off peak voltage max.     55 V       Cut off peak voltage max.     55 V       Contront operating per contact max.     4 A       Diagnostice     Status indication LED       Status indication LED     yellow       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     is marted, screwed       Patituon Degree     0.8 kV       Mechanical data [Mounting data     Color housing       Mounting method     inserted, screwed       Environmental characteristics [Climatic     Operating temperature max.       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Additional condition temperature angu     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical clask, e.g. by the usage of cable tees.       Note on strain relef     Protect the paremiscible bending radis       Product tandrad     DINE N 61078-2101 (M12); DIN N 15201-803 (Ventiteecker)       Installation f Cable     insthin (foclation black) <td< td=""><td></td><td>24 V</td></td<>		24 V
Operating vertage DC max.     90 V       Cut off peak vertage per contact max.     55 V       Cut off peak vertage per contact max.     4 A       Diagnostice     Status indication LED     yellow       Device protection [Electrical     Additional condition protection degree     isented, screwed       Additional condition protection degree     0.8 kV     Mechanical data       Mechanical data (Material data     Color housing     0.8 kV       Mechanical data (Material data     Color housing     Naterial housing       Material housing     Plastic     Mechanical data       Mounting metho     inserted, screwed     Environmental characteristics   Climatic       Operating temperature max.     25 °C     Coperating temperature max.       Operating temperature max.     25 °C     Contomity       Important Installation notes     Protect the connectors by suitable measures from mechanical tasks, e.g. by the usage of cable lifes.       Note on strain relef     Protect the connectors by suitable measures from mechanical tasks, e.g. by the usage of cable lifes.       Material incluster     DINE N 6 (078-2-101 (M12); DIN N 1078-0-1403 (Ventiteecker)       Installation (Cable     wararangement     black 1, black 2, green-yellow		18 V
Out of peak vallage max.   55 V     Current operating per contact max.   4 A     Designedstate   Status indication LED     Status indication LED   yellow     Device protection   Electrical   Additional controllon protection degree     Additional controllon protection degree   3     Rate surge voltage   0,8 kV     Mechanical data [ Material data   Color housing     Mechanical data [ Material data   Environmental characteristics] Climatic     Oparating improvatione min.   25 °C     Oparating improvation min.   25 °C     Oparating improvatione min.   25 °C     Oparating improvation min. <td></td> <td>30 V</td>		30 V
Current operating per contact max.     4 A       Disposition     Status indication LED     yollow       Device protection   Electrical     Additional consition protocolor degree     inserted, screwed       Patitation Degree     3     Reade surge vortage     0,8 kV       Mechanical data   Natorial data     Color housing     black       Material housing     Pasito     Mechanical data   Natorial data       Color housing     black     Mechanical data   Natorial data       Mounting method     inserted, screwed     Environmental characteristics   Clinatio       Correling temperature min.     -25 °C     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature min.     -25 °C       Additional condition memory depending on cable quality     Important installation notes     Note on stain rolial     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on stain rolial     Differencin (Stater the parmissible bending tradit when laying cables, as the IP protection class can be endangered by excessive bending tradit when laying cables, as the IP protection class can be endangered by excessive bending tradit when laying cables, as the IP protection class can be endangered by excessive bending tradit when laying cables, as the IP protection cla		
Diagnostics     Status indication LED     yellow       Devices protection   Electrical		4 A
Status indication LED     yellow       Device protection I Electrical     inserted, screwed       Additional condition protection degree     inserted, screwed       Device     3       Rated surge voltage     0.8 kV       Mechanical data   Material data     Color housing       Odor housing     Plastic       Meterial housing     Plastic       Meterial characteristics   Climatic     Inserted, screwed       Devicemental characteristics   Climatic     Inserted, screwed       Departing temperature min.     -25 °C       Operating temperature min.     -25 °C       Additional condition temperature ranse     depending on cable quality       Important installation notes     Environmental formatic       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on banding radius     Attention: Observe the parmisable bending radii when laying cables, as the IP protection dass can be endangered by econsistive bending forces.       Conformity     Environmental back 1, black 2, green-yellow       Cable identification     O16       Cable identification     O16       Cable identification     Weile sclataton black).<		
Device protection   Electrical     Inserted, screwed       Addition protection degree     inserted, screwed       Pallud on Degree     3       Rated surge voltage     0.8 kV       Mechanical data   Material data     Color housing     black       Material housing     Plastic     Plastic       Mechanical data   Mounting data     inserted, screwed     Inserted, screwed       Environmental characteristics   Climatic     Color housing     depending on cable quality       Operating temperature runi.     25 °C     Cocondition temperature runi.     25 °C       Operating temperature runi.     45 °C     Cocondition temperature runi.     45 °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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending rudus     Attention: Observe the permissible bending radii wen luging cables, as the IP protection class can be endingered by accessible bunding froms.       Endertion   Cable     Inserted, screwel     Inserted, screwel       Inserted standard     DIN EN 61076 2-101 (M12); DIN EN 17501-003 (Ventitistocker)       Inserted in (Cable)<		yellow
Additional condition protection degree inserted, screwed   Patulation Degree 3   Rated surge voltage 0.8 kV   Mechanical data [Material data Inserted, screwed   Mechanical data [Material data Plastic   Mechanical data [Material data Inserted, screwed   Environmental characteristics [Climatu 25 °C   Operating temperature main. 45 °C   Additional condition temperature main. 45 °C   Operating temperature main. 45 °C   Note on stain field Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.   Note on stain field Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.   Installation reade Attention: Observe the permissible bonding forces.   View arrangement black 1, black 2, green yellow   Cable derification 016   Cable Type 1   Printing coord view insultation while (solation black)   Jacket Color yellow   Amount stranding 1   Stranding 3 wrise livislad   <	Device protection   Electrical	·
Pollution Degree     3       Rated surge voltage     0.8 kV       Mechanical data   Material data     Color housing     black       Material housing     Plastic     Mechanical data   Mounting data       Mounting method     Inserted, screwed     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 network     85 °C     Additional condition temperature range     depending on cable quality       Important Installation network     85 °C     Additional condition temperature range     depending on cable quality       Important Installation network     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conternity       Product standard     DIN EN 61076-2-101 (M12): DIN EN 175301-803 (Ventilsteckor)     Installation   Cable       wire arrangement     black 1, black 2, green yellow     Gable Type     1       Addited Color     yellow     Installation   Gable     Gable Type     Installation   Gable     Gable Type     Installatin   Gablation   Gable	· · ·	inserted screwed
Rated surge voltage     0,8 kV       Idechanical data   Material data       Color housing     black       Material housing     Plastic       Material housing     Plastic       Material housing     Plastic       Mounting method     inserted, screwed       Environmential characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important installation notes     Note on stain role!       Note on stain role!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable letes.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Pixel arrangement     black 1, black 2, green-yellow       Cable Identification     016       Cable Identification     91 sties twisted       Material protection issign in suites twisted     91 sties twisted       Write arrangement     black 1, black 2, green-yellow       Cable Gentification     016       Cable Gentification     016 <t< td=""><td>· · ·</td><td></td></t<>	· · ·	
Mechanical data   Material data       Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     Inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       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 endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Usak 1, black 2, green-yellow     Cable dentification       Cable dentification     016     Cable dentification     Cable dentification       Cable dentification     016     Cable dentification		
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 max.     85 °C       Additional condition temperature max.     85 °C     Additional condition temperature max.     85 °C       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 ondingered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation [Cable     Urive arrangement     black 1, black 2, green-yellow       Cable identification     016     Cable       Cable identification     016     Cable       Stranding     1     Stranding       1     Stranding     3 wires twisted       wire arrangement		0,0 (0
Material housing     Plastic       Mechanical data   Mounting data     inserted, sorewed       Environmental characteristics   Climatic     Coperating temperature min.     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       Additional condition temperature max.     85 °C     Additional condition 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     wire arragement     black 1, black 2, green-yellow       Cable fype     1     Printing color of wire insulation     white (isolation black)       Jacket Color     yellow     Amount stranding     1       Stranding     3 wires twisted     Stranding     48 wires arragement       black 1, black 2, green-yellow     Cable wigh	Mechanical data   Material data	
Mechanical data   Mounting data       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Coperating temperature main.     -25 °C       Operating temperature main.     65 °C     Additional condition temperature range     depending on cable quality       Important installation notes     Mole on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Environmental black 1, black 2, green-yellow       Cable Type     1       Printing color of wire insulation     white (isolation black)       Jacket Color     yellow       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable Type     1       Printing color of wire insulation     white (isolation black)       Jacket Color     yellow       Amount stranding     1       Stranding     3 wires twisted       Wear angement     black 1, black 2, green-yellow <t< td=""><td></td><td>black</td></t<>		black
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     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 610762-101 (M12): DIN EN 175301-803 (Ventilstecker)       Installation [Cable     vite arrangement     black 1, black 2, green-yellow       Cable identification     016     Cable (dentilication)       Cable identification     016     Cable (dentilication)       Stranding     3 wires twisted     wire arrangement       black 1, black 2, green-yellow     Cable forming     Gable dentification       Thriang color of wire insulation     white (isolaton black)     Gable dentification       Stranding     3 wires twisted     Material packet     PVC       Shore A Tree cadmium-free, CFC-free, silcone-free     Cube weight     63.3 g/m       Material jacket     PVC     Shore A Arnexet     Shore A Arnexet       Treado	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     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Actention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius bending forces.       Conformity     Installation ICable       Wrie arrangement     black 1, black 2, green-yellow       Cable identification     016       Cable Identification     016       Cable Color     yellow       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable deptile     63.8 g/m       Material jacket     PVC       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigh     63.8 g/m       <	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     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.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12): DIN EN 175301-803 (Ventilstecker)       Installation   Cable     use on strain relief       wire arrangement     black 1, black 2, green-yellow       Cable identification     016       Cable identification     016       Cable of of wire insulation     white (isolation black)       Jacket Color     yellow       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigh     63.8 g/m       Gable weigh     63.8 g/m       Material jacket     PVC       Shore hardness jacket!     80 ± 5 Shore	Mounting method	inserted, screwed
Operating temperature max.     85 °C       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     wire arrangement     black 1, black 2, green-yellow       Cable identification     016     Cable identification       Cable Type     1     Printing color of wire insulation     white (isolation black)       Jacket Color     yellow     Amount stranding     1       Stranding     3 wires twisted     wire arrangement     black 1, black 2, green-yellow       Cable weigth     63.8 g/m     Material jacket     PVC       Shore hardness jacket     80 ± 5 Shore A     Freedom from ingredients (jacket)     E.9 mm       Tolerance outer diameter (glacket)     1.9 sm     5.%	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     Installation   Cable       Write arrangement     black 1, black 2, green-yellow       Cable identification     016       Cable I/ppe     1       Printing color of wire insulation     white (isolation black)       Jacket Color     yellow       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigth     63.8 g/m       Material jacket     PVC       Store Africes jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     5.9 mm       Tolerance outer (diameter (sheath)     ± 5 %       Material wire insulation     1.8 mm       Outer diameter insulation     1.8 mm<	Operating temperature min.	-25 ℃
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 I Cable     wire arrangement     black 1, black 2, green-yellow       Cable identification     016     Cable identification       Color     yellow     yellow       Amount stranding     1     Printing color of wire insulation       Write strangement     black 1, black 2, green-yellow     Cable identification       Color     yellow     Amount stranding     1       Stranding     1     Stranding     1       Stranding     3 wires twisted     Wire arrangement     black 1, black 2, green-yellow       Cable weigth     63,8 g/m     Material jacket     PVC       Shore hardness jacket     80 ± 5 Shore A     Freedom from ingredients (jacket)     Eed-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (weitalet (sheath)     ± 5 % <t< td=""><td>Operating temperature max.</td><td>85 °C</td></t<>	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 fies.       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     wire arrangement     black 1, black 2, green-yellow       Cable identification     016     Otopolity       Jackle (Zolor     yellow     Protection class can be endangered by excessive bending forces.       Amount stranding     1     Printing color of wire insulation     white (isolation black)       Jacket (Zolor     yellow     Protection class can be endangered by excessive bending forces.     Protection class can be endangered by excessive bending forces.       Bitranding     1     Stranding     1     Protection class can be endangered by excessive bitract       Amount stranding     1     Stranding     3 wires twisted     Stranding	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 fies.       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     wire arrangement     black 1, black 2, green-yellow       Cable identification     016     Otopolity       Jackle (Zolor     yellow     Protection class can be endangered by excessive bending forces.       Amount stranding     1     Printing color of wire insulation     white (isolation black)       Jacket (Zolor     yellow     Protection class can be endangered by excessive bending forces.     Protection class can be endangered by excessive bending forces.       Bitranding     1     Stranding     1     Protection class can be endangered by excessive bitract       Amount stranding     1     Stranding     3 wires twisted     Stranding	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     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Unit end to the standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Installation   Cable     Dine Ent (Standard)     DIS (Standard)     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)       Jacket Color     Use standard     Dine standard     Dine standard       Gable identification     1     Standard     Dine standard       Gable identification     1     Standard     Dine standard <th< td=""><td></td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties</td></th<>		Protect the connectors 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       wire arrangement     black 1, black 2, green-yellow       Cable identification     016       Cable Identification     016       Cable Identification     016       Cable Or of wire insulation     white (isolation black)       Jacket Color     yellow       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigth     63,8 g/m       Material jacket     PVC       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     5.9 m       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,8 mm       Outer diameter insulation     1,8 mm       Outer diameter insulation     1,8 mm       Outer diameter tolerance core insulation     43 ± 5 S		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   Cablewire arrangementblack 1, black 2, green-yellowCable identification016Cable identificationwhite (isolation black)Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable identification016Cable identificationwhite (isolation black)Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth63,8 g/mMaterial jacketPVCShore hardness jacket80 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Conformity	
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Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,8 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   43 ± 5 Shore D     Material properties wire insulation   good machinability		
Material wire insulationPVCAmount wires3Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability		
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Shore hardness wire insulation 43 ± 5 Shore D   Material properties wire insulation good machinability	Outer diameter insulation	
Material properties wire insulation good machinability	Outer diameter tolerance core insulation	
	Shore hardness wire insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	· · ·	
	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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: 2024-05-19

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Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	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)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
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

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