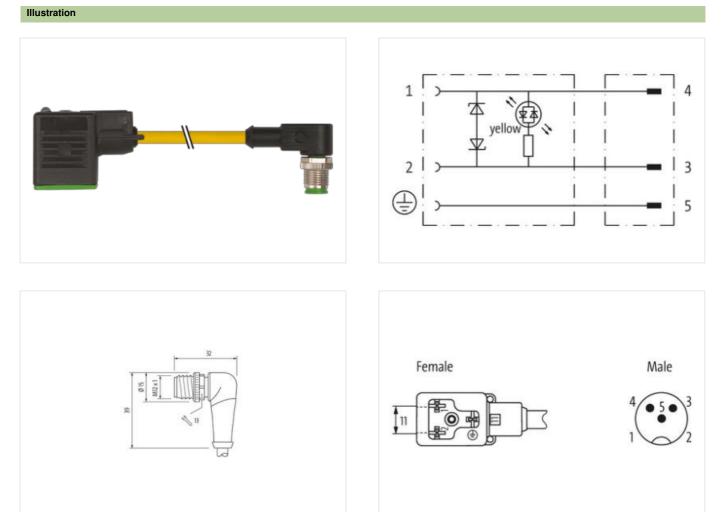


## M12 male 90° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 ye UL/CSA 2m

MSUD Form BI (11 mm) – M12, male 90° 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





Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD BI
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	4048879148443
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	

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Operating voltage AC max.         28 V           Operating voltage DC min.         19 V           Operating voltage DC max.         30 V           Current operating voltage DC max.         12 MA           Defausting voltage DC max.         12 MA           Defausting voltage DC max.         12 MA           Defausting voltage max.         12 MA           Device protection I Electrical         Additional contilium protection degree           Polluton Degree         3           Rated sup voltage         0.8 kV           Machanical data [ Material data         Every compared and the Material data           Color housing         black           Material housing         Plastic           Machanical data [ Mouning data]         Every compared and the Material data [ Mouning data]           Deparating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C     <	Operating voltage AC	24 V
Operating voltage DC         24 V           Operating voltage DC mac.         30 V           Cut of pack voltage contact max.         35 V           Cut of pack voltage contact max.         12 mA           Despresent of voltage per contact max.         12 mA           Despresent of voltage per contact max.         12 mA           Description file Contactional         12 mA           Device protection [Electrical         3           Additional contifion protectional dugree         inserted, screwed           Envice protection [Electrical         3           Machanical data [Mouring data         12 mA           Device protection [Electrical         3           Relation voltage DC max.         0.8 kV           Machanical data [Mouring data         12 mA           Device protection [Electrical         13 mA           Machanical data [Mouring data         13 mA           Machanical data [Mouring data         13 mA           Machanical data [Mouring data         13 mA           Device the rousing contact max.         25 mC           Operating voltage DC max.         25 mC </td <td>Operating voltage AC min.</td> <td>19,2 V</td>	Operating voltage AC min.	19,2 V
Operating voltage DC min.         19 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Disposition         12 m A           Disposition         12 m A           Disposition         12 m A           Disposition         12 m A           Additional condition pratection degree         inserted, sorewed           Polution Degree         3           Relat surge voltage DC         0.8 V           Material Posal         0.8 V           Material focalities         0.8 V           Material Posal         0.8 V           Depreting temperature min.         -25 °C           Operating temperature min.         -25 °C	Operating voltage AC max.	28,8 V
Operating voltage DC max.         30 V           Cut of prak voltage max.         55 V           Current operating procenduct max.         12 mA           Diagnostice         Struit indication LED           Struit indication LED         yellow           Device protoction   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, sorewed           Politicon Oogna         0.8 kV           Machanical data   Material State         Control           Color housing         black           Material housing         Plastic           Machanical data   Mounting data         Inserted, sorewed           Environmental characteristics   Climatic         Concentry           Operating temperature max.         25 °C           Notio on brain fueld         Protoct the connectors by suitable measures from mechanical loads, eg. by the usage of cable less.           Notio on brain graduits         Attention: Observe the graminabilibe houlds; during table measures from mechanical loads, eg. by the usage of cable less.           Color mit mained         Protoct the connectors by suitable measures from mechanical loads, eg. by the usage	Operating voltage DC	24 V
Out-off peak voltage max.         56 V           Current orgeniting per contact max.         4 A           Current orgeniting net contact max.         12 mA           Diagostics         Status indication LED           Diating contact max per contact max.         12 mA           Diating contact max.         12 mA           Device production [Electrical         Electrical           Additional condition protection degree         inserted, sorewed           Pollution Degree         3           Recle single voltage         0.8 kV           Mechanical datal Material data         Electrical           Color housing         black           Material housing         Peato           Material housing         Peato           Material housing         Peato           Material fold in mark         S °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         8 °C           Additional condition temperature range.         depending on cable quality           Interviewed temperature max.         8 °C           Addition contification temperature range.         Attention: Cobserve the permissible banding radi when laying cables, s the IP protection class can be antagenored by acceseable ban	Operating voltage DC min.	18 V
Current consumption max.         12 mA           Device protection [Electrical	Operating voltage DC max.	30 V
Current consumption max.         12 mA           Dispositie         Velow           Status indication LED         yelow           Device protection [Electrical         Inserted, screwed           Pollution Degree         3           Rated surge vortage         0.8 kV           Material housing         black           Material housing         Pollution           Material housing         Polision           Operating tomporature max.         85 °C           Operating tomporature max.         85 °C           Operating tomporature max.         85 °C           Note on strain rollef         Potiect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the portisable bending radii when laying cables, as the iP protection class can be ontegraymed by successre bending tox.           Difference         2           Protect the contectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain rollef         Potiset the con	Cut-off peak voltage max.	55 V
Disposition         Service protection IElectrical           Service protection IElectrical	Current operating per contact max.	4 A
Status         gelow           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pulliation Degree         3           Rated surge voltage         0.8 kV           Mechanical data   Material data         Inserted, screwed           Color housing         Back           Material housing         Plastic           Mechanical data   Moorning data         Inserted, screwed           Mechanical data   Moorning data         Inserted, screwed           Color housing         Back           Mouning mathod         Inserted, screwed           Operating temperature min.         25 °C           Operating temperature max.         65 °C           Additional condition temperature max.         65 °C           Additional condition temperature max.         65 °C           Note on stain reliaf         Protect the connectors by subble measures from mchanical loads, eage of cable ties.           Note on stain reliaf         Note on stain reliaf           Product standard         026           Colormity         Inserted, screwellow           Product standard         026           Colormity         Selfor Spa           Product standard         026 <td>Current consumption max.</td> <td>12 mA</td>	Current consumption max.	12 mA
Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Dagree         3           Related surge voltage         0.8 kV           Mechanical data   Material data         Data/           Color housing         black           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         25 °C           Operating 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.         65 °C           Note on stain relation notes         epending on cable quality           Important Installation notes         epending on cable quality           Note on stain relation         Potent the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable or stain relation         26           Cable or stain relation or data relatindari           Diate of tandard	Diagnostics	
Additional condition protection degree         inserted, screwed         Solution         Degree         Solution         Solution	Status indication LED	yellow
Pollution 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         Environmental characteristics   Climatic           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 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.           Conormiy         Environmental characteristics   Climatic         Conormiy           Product standard         DIN EN 61078-2101 (M12); DIN EN 175301-803 (Venilistecker)         Environmental characteristics   Climatic           Cable identification         026         Cable identification         Cable identificatiden         Cl	Device protection   Electrical	
Pollution 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         Environmental characteristics   Climatic           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 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.           Conormiy         Environmental characteristics   Climatic         Conormiy           Product standard         DIN EN 61078-2101 (M12); DIN EN 175301-803 (Venilistecker)         Environmental characteristics   Climatic           Cable identification         026         Cable identification         Cable identificatiden         Cl	Additional condition protection degree	inserted, screwed
Rated surge voltage         0,8 kV           Mechanical data   Material data         Edited in the surge voltage         0,8 kV           Color housing         black         Material housing         Plastic           Mechanical data   Mounting data         Inserted. screwed         Inserted. screwed         Inserted. screwed           Environmental characteristics   Glimatic         Operating temperature max.         85 °C         Operating temperature max.         86 °C           Additional condition temperature max.         85 °C         Operating temperature max.         86 °C           Additional condition temperature max.         86 °C         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Operating temperature max.           Cohormity         Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Instaliation   Cable         Cable identification         026           Cable forpo         2         Printing color of wire insulation           Type of Cartificate         cURus         Anount stranding           Type of Cartificate         cURus         Anount stranding           Stranding         3 wire		
Mechanical data   Material data           Color housing         black           Material housing         Plastic           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         25 °C           Operating temperature min.         -25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.           Concomity         endangered by excessive bending forces.           Product standard         DIN EN 61076-2101 (M12); DIN EN 175301-803 (Ventilstecker)           Cable identification         028           Cable identification         1           Stranding         1           Stranding         1           Stranding         3 wires twisted           Wire strangement         Diedx 1, black 2, green-yellow           Cable weigh         55 °m <td></td> <td>0,8 kV</td>		0,8 kV
Color housing         black           Material housing         Plastc           Mechaical data   Mounting data         inserted, screwed           Mounting method         inserted, screwed           Caperating temperature main.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nate on brain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nate on strain relief         Note on the insulation class can be eminisable bending radii when laying cables, as the IP protection class can be eminisable on the submagered by excessive bending forces.           Color         Note on the insulation           Date of cable Type         2           Protoct standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installion Cable         Ventor           Cable Type         2 <td< td=""><td></td><td></td></td<>		
Material housing         Plastic           Mechanical data   Mounting data         inserted, screwed           Environmental characteristics   Climatic         25 °C           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 stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain 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 of vire insulation         White (isolation black)           Jacket Color         Qellow           Type of Certificate <td< td=""><td>•</td><td>black</td></td<>	•	black
Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating 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.           Contront         Cathenton: Observe the pomiscible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contorts         Vertext standard         Dix EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation (Cable         Cable identification         Cable clorefitication           Cable identification         O26         Cable Cab		
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 itsaliation notes         Important itsaliation 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 earlied to the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Environmental backs, e.g. by the usage of cable ties.           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation of Cable         Cable identification           Cable identification         026           Cable identification         026           Cable identification         URUs           Anount stranding         1           Stranding         sives twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         55 grim           Tolerance outer diameter (sheath)         5 15 Shore A <t< td=""><td></td><td></td></t<>		
Environmental characteristics   Climatte           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 stain 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         Important installation notes           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable         266           Cable identification         026           Cable identification         026           Cable identification         white (isolation black)           Jacket Color         yellow           Type of Certificate         cUFus           Anount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         55 ym           Store AArdiness jacket         55 shore A           Freedom from ingredients (jacket)		
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 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.           Commity         Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable         Cable Identification         026           Cable Identification         026         Cable Identification         026           Color         yellow         Yellow         Yellow           Type of Certificate         cURus         Amount strainding         1           Stranding         3 wires twisted         Yellow         Yellow           Cable weight         55 g/m         Stranding         1           Shore hardness jacket         85 ± 5 Shore A         Yellow           Freedom from ingredents (jacket)         16 S %         Yellow           Shore hardness jacket         5 5 %         Some         Some	-	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.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Protect standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable         Cable tope           Cable forp         2           Printing color of wire insulation         White (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         55 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         5.9 mm           Colerance or diameter (jacket)         5.9 mm           Colerancor outer d	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 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         O26           Cable identification         026           Cable identification         026           Zaket Color         yellow           Type of Certificate         c.URus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         55 g/m           Material jacket         PUR           Store A         Store A           Freedom from ingredients (jacket)         j.9 mm           Tolerance outer (akelet)         j.9 mm           Tolerance outer (jacket)         j.9 mm     <	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 endagered by excessive bending forces.           Conformity            Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable            Cable identification         026           Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         55 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         1940/           Cable weigh         5.9 mm           Tolerance outer diameter (sheath)         ± 5 %           Color (inner ja	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         Protect the 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 (Ventilstecker)           Installation   Cable         Cable identification         026           Cable fupp         2         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Installation   Cable         UP         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Contermity         Endet for the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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)           Gale tape individual indindividual indindividual individual individual indindindividual i	Additional condition temperature range	depending on cable quality
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         Code dentification         026           Cable identification         026         Code of wire insulation         white (isolation black)           Jacket Color         yellow         Yellow         Yellow           Type of Certificate         cuRus         Curu         Yellow           Stranding         1         Stranding         3 wires twisted           Wire arrangement         black 1, black 2, green-yellow         Cable weigth         S5 g/m           Shore hardness jacket         85 ± 5 Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm         Store A         Store A         Store A           Tolerance outer diameter (sheath)         ± 5 %         Material inner jacket         PVC           Color (inner jacket)         yellow         Material inner jacket         PVC           Auterial wire insulation         PVC         Store A         Store A           Toterance outer diameter (sheath)         ± 5	Important installation notes	
Note on behaning radius         endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable           Cable identification         026           Cable identification         0216           Acade Cable Type         2           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cuRus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         55 g/m           Material jacket         PUR           Store hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         ied-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Color (inner jacket)         9VC           Color (inner jacket)         9VC           Quero liameter (sheath)         ± 5 %           Material inien isulation         PVC           Color (inner jacket)         9VC           Abrount wires         3           Quero	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)Installation   CableCable identification026Cable identification026Cable Type2Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)iead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5.9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial inner jacketPVCAnount wires3Outer diameter insulation1,8 mm	Note on bending radius	
Installation   Cable           Cable identification         026           Cable Type         2           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         55 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 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 inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Color (inner jacket)         3           Outer diameter insulation         PVC           Color (inner jacket)         3           Outer diameter insulation         PVC	Conformity	
Cable identification026Cable Type2Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Product standard	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Cable Type2Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)iead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Installation   Cable	
Cable Type2Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)iead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Cable identification	026
Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm		
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Cable Type	2
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm		
Amount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation	white (isolation black)
Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation Jacket Color	white (isolation black) yellow
wire arrangementblack 1, black 2, green-yellowCable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation	white (isolation black) yellow cURus
Cable weigth55 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	white (isolation black) yellow cURus 1
Material jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	white (isolation black)         yellow         cURus         1         3 wires twisted
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)yellowMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m
Tolerance outer diameter (sheath)       ± 5 %         Material inner jacket       PVC         Color (inner jacket)       yellow         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR
Material inner jacket     PVC       Color (inner jacket)     yellow       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A
Color (inner jacket)     yellow       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm
Amount wires     3       Outer diameter insulation     1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %
Outer diameter insulation 1,8 mm	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC
	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC         yellow
Outer diameter tolerance core insulation ± 5 %	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC         yellow         PVC
	Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires	white (isolation black)         yellow         cURus         1         3 wires twisted         black 1, black 2, green-yellow         55 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC         yellow         PVC         3

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Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9,6 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	00 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	00 °C
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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