

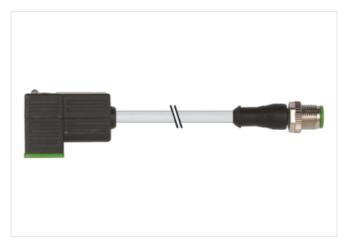
## M12 male 0° A-cod. / MSUD valve plug C-8mm

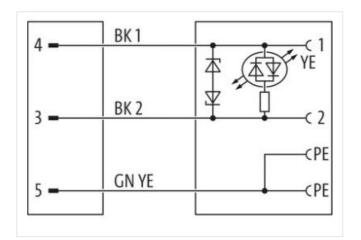
PUR 3x0.75 gy UL/CSA 7m

Form C (8 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.

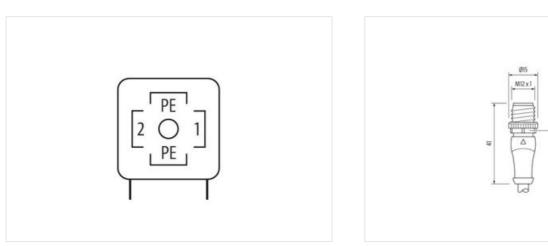
## Link to Product





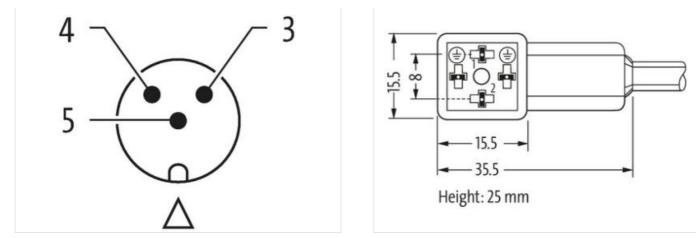


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The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20





Product may differ from Image



Cable length	7 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
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
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD C
Thread	M2.5
No. of poles	4
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	4048879145992
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms

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## Electrical data | Supply

Operating voltage AC94 VOperating voltage AC max192 VAOperating voltage AC max192 VAOperating voltage DC24 VOperating voltage DC max30 VCalculating voltage DC max30 VCalculating voltage DC max55 VCarrent operating per contact max4 ADisposition DEDvoltage SC maxDisposition DEDvoltage SC maxAdditional conflicton Ded Telescontact max4 ADisposition Ded Telescontact max4 ADisposition Ded Telescontact max4 AAdditional conflicton Ded Telescontact max1 AAdditional conflicton Ded Telescontact max1 APolicion Degree3Ratid store voltage notation may0.04 NMaterial voltage Voltage MC2 A DocieMaterial voltage Method Material dataTelescontact maxDevice materialNescledCalcing backingNescledCalcing backingNescledCalcing backingNescledMaterial Notaring dataTelescontact Material dataDevice material dataNescledColor bacter MCVoltage MCOperating temperature may8 P OAdditional dataS P OAdditional dataS P OAdditional dataAdminictonal dataDevice the connectors y sultable measures from mechanical tools, e.g. by the usage of calls fillen.Nor ending radiuP P C CDevice the connectors y sultable measures from mechanical tools, e.g. by the usage of calls fillen.Nor endi	Electrical data   Supply	
Operating voltage AC max.       28.8 V         Operating voltage DC min.       24 V         Operating voltage DC min.       30 V         Catoff peak voltage max.       35 V         Current operating voltage DC min.       30 V         Catoff peak voltage max.       4 A         Diagnostics       Status indication LED         Status indication LED       yellow         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       0.8 kV         Material group (EC 6058+1)       1         Additional suppressor       2.Diode         Mechanical data   Material data       Catoria to degree         Cooling notating       black         Material group (EC 6058+1)       1         Additional condition protection data       Cator hocking         Mechanical data   Material data       Cator hocking         Codim protection (Electrical       Zinc dia-casting         Mechanical data   Muterial data       Zinc dia-casting <t< td=""><td>Operating voltage AC</td><td>24 V</td></t<>	Operating voltage AC	24 V
Operating voltage DC       24 V         Operating voltage DC max.       30 V         Call of peak voltage max.       55 V         Corrent operating voltage per contact max.       4 A <b>Dispositor</b> 9 elow         Device protection Electrical       Additional condition protection degree         Parkies protection Electrical       Additional condition protection degree         Radia condition protection degree       3         Radia support (EC 60686-1)       1         Additional condition protection degree       2.0 block         Metarial group (EC 60686-1)       1         Radia support degree       3         Radia support degree       2.0 block         Metarial nousing       Plastice         Color housing       Baak         Metarial nousing       Plastice         Color housing       Baak         Metarial nousing       Plastice         Color housing       Baak         Metarial nousing       Plastice         Color housing       depending on cable quality         Mounting method       inserted, screwed         Environnul characteristics ( Climate       Color         Operating temperature max.	Operating voltage AC min.	19,2 V
Operating vertage DC min.       18 Y         Operating vertage DC max.       30 V         Current operating per contact max.       4 A         Diagnotatics       SS V         Status indication LED       yellow         Device protection   Electrical       Additional condition protection degree         Status indication LED       yellow         Device protection   Electrical       Additional condition protection degree         Operating vertage vertage       3         Rated argue voltage       0.8 kV         Material granup (IEC 6068-1)       1         Additional subjectssor       2-Diode         Mechanical data   Material datal       Conder         Carling looking       Neckeld         Carling looking       Datak         Material mousing       Plasto         Carling looking       Datak         Material mousing       Plasto         Carling looking       datak screwed         Porating temperature min.       -25 °C         Operating temperature min.       -25 °C         Carlend looking and an actin relief       Plasto         Carling looking and an acting relief screwed       Additional condiaction screwed tege and acting relief scleade isc	Operating voltage AC max.	28,8 V
Operating writings PC max.       90 V         Cut-off peak voltage max.       55 V         Cut-off peak voltage romat.       4 A         Degroatice       Status indication LED         Status indication LED       yellow         Device protection [Electrical       Mathematic condition protection degree         Additional condition protection degree       3         Ratial surge voltage       0.8 kV         Material group (EC 6068-1)       1         Additional support voltage       Delaw         Additional support voltage       Pasitio         Code housing       Delaw         Material force (C 6068-1)       1         Code housing       Delaw         Material notage (C 6068-1)       1         Code housing       Delaw         Material notage (C 6068-1)       1         Locking material       Zinc die-casting         Material notage (C 6068-1)       1         Material notage (C 6068-1)       1         Code housing (C 6068-1)       1         Material notage (C 6068-1)       1         Material notage (C 6068-1)       2         Code housing (C 6068-1)       2         Coperating (C	Operating voltage DC	24 V
Out-off peak-voltage max.   55 V     Current operating per cented max.   4 A     Designets   Status indication LED     Velow   Velow     Device protection   Electrical     Additional conducting protection ageree   3     Rated aurge voltage   0.8 kV     Material group (EC 6068-1)   1     Additional suppressor   7-Diode     Material group (EC 6068-1)   1     Additional conducting of the suppressor   7-Diode     Material data (EC 6068-1)   1     Colaring bothing   Nickeled     Colaring bothing   Plastic     Coloring method   inserted, screwed     Mounting method   inserted, screwed     Protect the connectors by suitable measures from mechanical lata   Nounling data     Mounting method   inserted, screwed     Coparating temperature min.   -25 °G     Operating temperature min. <td>Operating voltage DC min.</td> <td>18 V</td>	Operating voltage DC min.	18 V
Current operating per contact max.       4 A         Degrotics       Status indication LED       yellow         Device protection Electrical       Mediation LeD       Mediation Condition protection degree       inserted, sorewed         Additional condition protection degree       3       a       a         Rated surge vortage       0.8 kV       Mediation Condition protection degree       3         Rated surge vortage       0.8 kV       Mediation appropriate       A         Additional suppressor       7-00 de       Mediation appropriate       A         Additional suppressor       7-00 de       Mediation appropriate       A         Control Docking       Nickeled       Color housing       Diak         Material nousing       Plastic       Color housing       Mediation appropriate         Mouning method       inserted, sorewed       Environmental Characteristics   Climatic         Environmental Characteristics   Climatic       Colorent putter max.       85 °C         Additional condition temperature range       depending on cable quality       Postical temperature max.         Note on berding radius       Afferitor: Observe the permissible bending radii when laying cables, as the IP protection class can be and andared by soresive bending forces.       Porecte	Operating voltage DC max.	30 V
Diagnosits         Status indication LED       yellow         Device protection   Electrical       inserted, screwed         Additional condition protection organes       3         Relard surge voltagen       0.8 kV         Material group [EG 68664-1)       1         Additional condition protection organes       2.0 cdo         Material group [EG 68664-1]       1         Additional condition suppressor       2.0 cdo         Material distal fabrical data       Material distal fabrical data         Material properties       2.0 cdo         Contro locking       black         Material housing       Palace         Locking material       Zinc die- casting         Mounting method       inserted, screwed         Environmetal characteristics   Climatic       dieg organization and condition temperature range         Operating temperature main.       2.8 °C         Additional condition temperature range       deg ord         Note on brain relief       Proleal the conmectors by suitable measures from mechanical lota,	Cut-off peak voltage max.	55 V
Status indication LED       yellow         Device protection [Electrical       inserted. screwed         Additional condition protection degree       is a screwed         Pollution Degree       3         Rated argue voltage       0.8 kV         Material group (IEC 60664-1)       1         Additional suppressor       2-Dode         Mechanical data   Material data       Schoole         Coating locking       Batek         Material group (IEC 60664-1)       I         Coating locking       Batek         Material housing       Paatic         Coding totaling       Batek         Material housing       Paatic         Bechanical data   Moutting data       Screwed         Environmental characteristics [ Climate       Cognating lomperature max.         Operating memperature max.       85 °C         Additional correlition interpretature max.       85 °C         Additional correlition interpretature max.       85 °C         Note on starin field       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.         Note on starin field       State fibro: Charge weeks are many fibro in the start start start start fibro         Note start fibro: Climate	Current operating per contact max.	4 A
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (IEC 6064+1)       1         Additional suppressor       2.Diode         Mechanical data [Material data       Mechanical data [Material data         Mechanical data [Material data       Electrical         Material housing       Plastic         Coding incking       Plastic         Locking material       Zinc die casting         Metrical data [Mounting data       Inserted, screwed         Environmetal characteristics [ Climatic       Environmetal characteristics [ Climatic         Operating temperature min.       -25 °C         Operating temperature max.       65 °C         Additional condition temperature max.       65 °C         Additional condition temperature max.       65 °C         Not on bending radus       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.         Not on bending radus       Amount from Charose the permissible bencharing radii when laying cables, as the IP protection class can be endappered by excessive bending forces.         Controll       Protect the connectors by suitable measures from mechan	Diagnostics	
Additional condition protection degree   inserted. screwed     Policiano Dagree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664 1)   1     Additional suppressor   Z-Diode     Mechanical data   Material data   Z-Diode     Color housing   Nokeled     Color housing   Pack     Material housing   Pack     Controm   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.	Status indication LED	yellow
Pollution Degree   3     Rate sturge voltage   0.8 kV     Material group (ES 6064-1)   1     Additional suppressor   Z-Dode     Mechanical data   Material data      Coaling locking   Nickeled     Color housing   black     Material group (ES 6064-1)   Zho die casting     Mechanical data   Material data   Zinc die casting     Mechanical data   Mounting data   Zinc die casting     Mechanical data   Mounting data   Screwed     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating itemperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Importal installation notes   Note on strain relief     Note on banding radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be endangared by excessive bending forces.     Contornity   Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tles.     Naterial call   Din No for for 2-101 (M12); DIN EN 175301-803 (Valve Plug)     Installation (Cable   US No for for 2-201 (M12); DIN EN 175301-803 (Valve Plug)     Installation   Save the permissible bending radii when laying cables, as the IP p	Device protection   Electrical	
Rated surge voltage   0.8 kV     Material group (IEC 6068-1)   1     Additional suppressor   Z-Diode     Mechanical data [Material data   Exclusion     Coaling locking   Nickeled     Color housing   black     Material housing   Plasito     Locking material   Zinc die-casting     Mechanical data [Mounting data   Inserted, screwed     Environmental characteristics [ Climatic   Operating temperature max.     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 stain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.     Note on stain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.     Note on stain relief   DIN EN 61076-2-101 (M12); DIN EN 175301-603 (Valve Plug)     Installion (Cable   Usage environment     View arrangement   black 1, black 2, green yellow     Cable dentification   226     Cable (Coor   gray     Type of Certificate   CuPusa     Arranding   1     Stranding   3 wires twisted     Material jackkt	Additional condition protection degree	inserted, screwed
Material group (IEC 60684-1)   I     Additional suppressor   Z-Diode     Mechanical data   Material data   Cachard locking     Nickeled   Standard St	Pollution Degree	3
Additional suppressor   Z. Diode     Mechanical data   Material data     Coating locking   Nickeled     Color housing   black     Material housing   Plastic     Locking material   Zinc die casting     Mechanical data   Mounting method   inserted, screwed     Environmental characteristics   Climatic   Coperating temperature min.     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 endiagreed by excessive bending forces.     Conformity   Intel Store-2-101 (M12); DIN EN 175301-803 (Valve Plug)     Installation   Cable   wire arrangement     black 1, black 2, green-yellow   Cable lotentification     Cable Identification   226     Cable Identification   226     Cable Identificate   culRus     Amount stranding   1 <td>Rated surge voltage</td> <td>0,8 kV</td>	Rated surge voltage	0,8 kV
Mechanical data   Material data         Coaling locking       Nickeled         Color housing       Diack         Material housing       Plasite         Locking material       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed         Environmental characteristics   Climatic       25 °C         Operating temperature min.       25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Store Consectors 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.         Contornity       Protect the connectors by suitable measures from Mechanical loads, e.g. by the usage of cable ties.         Muster at nangement       black 1, black 2, green-yellow         Cable fortpe       2         Cable Type       2         Lacket Cofor       gray         Type of Certificate       cUFus         Amount stranding       1	Material group (IEC 60664-1)	
Coating locking       Nickeled         Color housing       black         Material housing       Plastic         Locking matheial       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed         Environmental characteristics   Climatic       Comportant temperature main.         Operating temperature main.       -25 °C         Operating temperature main.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Note on bending radius         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 (Cable Coording)         wire arrangement       black 1, black 2, green-yellow         Cable Type       2         Cable Type       2         Jacket Colo	Additional suppressor	Z-Diode
Color housing       black         Material housing       Plastic         Locking material       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Inserted, screwed       inserted, screwed         Environmental characteristics   Climatic       Operating temperature max.         Øs 7C       Additional condition temperature max.         Øs 7C       Additional condition temperature range         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 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       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       usage of cable ties.         wire arangement       black 1, black 2, green-yellow         Cable Type       2         Jacket Color       gray         Type	Mechanical data   Material data	
Material housing       Plastic         Locking material       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed         Environmental characteristics   Climatic       Coperating temperature max.       85 °C         Operating temperature max.       85 °C       Additional condition temperature range       depending on cable quality         Important Installation notes       Note on strint relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strint relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strint relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strint relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strint relief       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       usage and the strint stri	Coating locking	Nickeled
Locking material       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed         Environmental characteristics   Climatic       Coperating temperature main.       -25 °C         Operating temperature main.       -25 °C       Coperating 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.         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       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       users are angement         Value standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       226         Cable identification       226         Cable identification       226         Cable identification       226         Cable identification       21         Type of Certificate       cURus         Amount stranding	Color housing	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.       85 °C         Additional condition temperature max.       85 °C         Note on strian 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         Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable          wire arrangement       black 1, black 2, green-yellow         Cable identification       226         Cable Color       gray         Type of Carificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weight       55.33 g/m         Additional       Stranding         Stranding	Material housing	Plastic
Mounting method       inserted, screwed         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature maye       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 bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Contomity       Installation (Cable         wire arrangement       black 1, black 2, green-yellow         Cable identification       226         Cable Identificate       CURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable Identification       226         Cable Identificate       CURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weight       55.33 g/m	Locking material	Zinc die-casting
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       motion temperature range         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         Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       wire arrangement         black 1, black 2, green-yellow       Cable Type         Cable Type       2         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable type       2         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Str	Mechanical data   Mounting data	
Operating temperature min.       -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 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.         Contormity       Product standard       DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)         Installation   Cable       wire arrangement       black 1, black 2, green-yellow         Cable Type       2       2       2         Jacket Color       gray       1         Type of Certificate       cURus       4         Amount stranding       1       1         Stranding       3 wires twisted       3         Wrie arrangement       black 1, black 2, green-yellow       2         Cable Type       2       2       2         Jacket Color       gray       1       1         Stranding       1       1	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 (Valve Plug)       Installation   Cable     wire arrangement     black 1, black 2, green-yellow       Cable identification     226       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigth     55,33 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.9 mm       T	Environmental characteristics   Climatic	
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.       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 (Valve Plug)       Installation   Cable       wire arrangement     black 1, black 2, green-yellow       Cable Identification     226       Cable Identification     226       Cable Identification     226       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigth     55,33 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 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 (sheath)     5	Operating temperature min.	-25 °C
Important installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)Installation   Cablewire arrangementblack 1, black 2, green-yellowCable Identification226Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55,33 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)1ead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5.9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVC	Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)Installation   Cablewire arrangementblack 1, black 2, green-yellowCable identification226Cable I Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable identification226Cable identificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weight55,33 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVC	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 (Valve Plug)         Installation   Cable       wire arrangement       black 1, black 2, green-yellow         Cable identification       226       2         Cable Type       2       2         Jacket Color       gray       7         Type of Certificate       cURus       Attention         Amount stranding       1       5         Stranding       3 wires twisted       3         wire arrangement       black 1, black 2, green-yellow       Cable weigth         Gable veigth       55,33 g/m       4         Material jacket       PUR       5         Shore hardness jacket       85 ± 5 Shore A       5         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,9 mm       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %       5	Important installation notes	
Note of Dending Factors     endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Valve Plug)       Installation   Cable     wire arrangement     black 1, black 2, green-yellow       Cable identification     226       Cable identification     229       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     black 1, black 2, green-yellow       Cable weigth     55,33 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     5,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material inner jacket     PVC	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Material jacket   PUR     Shore hardness jacket   85 ± 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 (sheath)   ± 5 %     Material inner jacket   PVC		
Shore hardness jacket   85 ± 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 (sheath)   ± 5 %     Material inner jacket   PVC		
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Material inner jacket PVC		
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Amount wires	3
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	0° 08
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track)	3,3 m/s

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