

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.4m

DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

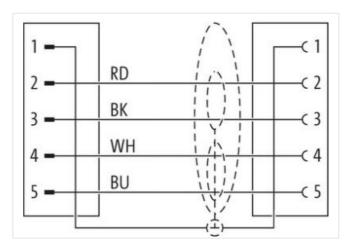
Plastic housings with good resistance against chemicals and oils.

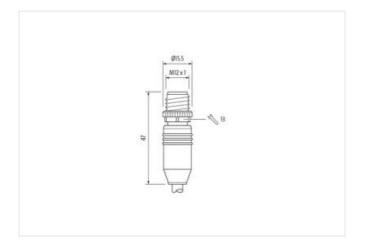
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

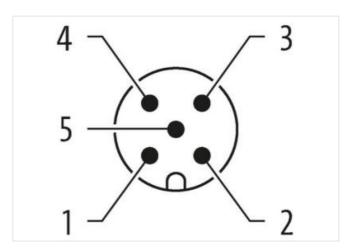
## **Link to Product**

## Illustration



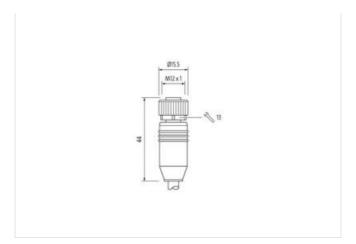


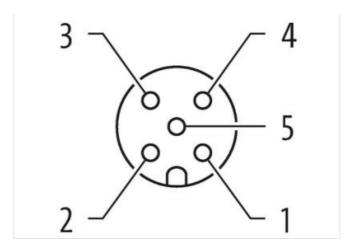






stay connected





Product may differ from Image







0,4 m











Cable length

Cable length	0,4 111
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307

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: 2024-06-26



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ECL ASS-12.0         27760007           ECM SSS-12.0         EC001985S           customs sailf number         65444890           GTN         44889785044           Peckaging until         1           Electrical data   Supply         60 V           Operating voltage AC max.         60 V           Operating voltage DC Rux.         60 V           Operating voltage DC UL steady         30 V           Operating voltage DC UL steady         4 A           Installation   Connection         4 A           Mounting set         M12 x 1           Additional condition protection dispree         inserted. screwd           Pollution Dogrou         3           Rated surge voltage         1,5 kV           Malerial google (EC 60664-1)         1           Michanical data   Malerial data         McConditional Control or corrugated nose         without           Mechanical data   Malerial data         McColade           Coating of litting         nickle plated           Mechanical data   Malerial data         McColade           Coating of litting	50,400,400	0700007
Description to fulfil from the or		
GTIN 404879185044 Packaging unts 1 Packaging unts 2 Packaging unts 2 Packaging unts 3 Packaging unts 4 Pack		
Peaceting youtling AD arms.         60 Y           Operating youtlage AD arms.         60 Y           Operating youtlage AD Cmax.         60 Y           Operating youtlage AD CILL listed)         30 Y           Operating youtlage AD CILL listed)         30 Y           Current operating per contact max.         4 A           Installation I Connection         M12 x I           Device protection [Electrical]         M2 X           Additional contains protection degree         inserted, screwed           Pollution Dogice         3           Rated surge votage         1,5 kV           Machanical data         V           Control or comugated hose         without           Mechanical data (Material data)         V           Control or comugated hose         without           Mechanical data (Material data)         V           Control of comugated hose         without           Mechanical data (Material data)         Tile discussing           Mechanical data (Material data)		
Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (ILL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mil X I           Device procedion   Electrical         Device procedion   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 NV           Malerial group (IEC 60664-1)         1           Mechanical data         Without           Contage of Itting         nickel plated           Malerial group (IEC 60664-1)         1           Mechanical data   Material data         Milerial group (IEC 60664-1)           Conting of Itting         nickel plated           Material gasket         FISM           Locking material         Zinc discretifies           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Evironmental characteristics   Climatic         Coperating imprevature mix.         85 °C           Operating sumpera		
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC Max.         30 V           Operating voltage DC (UL-lised)         30 V           Current operating per contact max.         4 A           Installation (Connection)         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Follution Degree         3           Ratid surp voltage         1,5 kV           Machanical data         Vivolence of corrugated hose           Machanical data   Muster of corrugated hose         vibout           Machanical data   Musterial data         Vivolence of corrugated hose           Machanical data   Musterial data         FKM           Coating folking         nickleled           Coating folking         nickleled           Coating folking         nickleled           Mounting asset         FKM           Locking material         Zinc die casting           Mounting method         Inserted, screwed, Shaking protection           Environmental characteriatics   Climatic         Corrected of	Packaging unit	1
Operating voltage PC (max.         60 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation I Connection         Mounting set         M12 x 1           Perice protection   Electrical         Additional condition protection degree         3           Pollution Degree         3         9           Rated sugge voltage         1.5 kV           Macterial group (EC 60684-1)         I           Mechanical data         Without           Mechanical data   Material data         Wickeld           Coating bothing         Nickelde           Coating of fitting         Nickel plated           Material gasket         FKM           Locking material         Zim die casting           Mutring method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Operating imperature mix.         25 °C           Operating imperature mix         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loa	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UI-listed)         30 V           Current operating per contact max.         4 A           Institution   Connection         Wat X 1           Device protection   Electrical         Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data         Watout           Contour for cornegate hose         without           Mechanical data   Material data         Without           Ceating of fitting         nickel plated           Material grows connection         Zinc die casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cinc die casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cinc die casting           Poperating	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         MUX x 1           Device protection   Electrical         Mounting set           Additional condition protection degree inserted, screwed         Pollution Degree   3           Rated surge voltage         1.5 kV           Material group (EC 60684-1)   I         I           Mechanical data         Control for corrugated hose without           Mechanical data   Material data         Mix part of the control of the con	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Installation   Connection         Mill x 1           Owniting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         3           Facilitation group (IEC 60664-1)         I           Mechanical data         Web 1           Conting for corrugated hose         without           Mechanical data   Material data         Nickeled           Coating tocking         Nickeled           Coating tocking         nickel plated           Material graw connection         Zim de casting           Material graw connection         Zim de casting           Mechanical data   Mounting data         Mine of casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Control           Environmental characteristics   Climatic         Control           Operating temperature max.         25 °C           Operating 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 ites.           Note on sitain relief	Operating voltage AC (UL-listed)	30 V
Installation   Connection         Multip x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raced surge voltage         1,5 kV           Macerial group (IEC 6664-1)         1           Mechanical data         without           Mechanical data   Material data         without           Contour for corruptated hose         without           Mechanical data   Material data         Material group (IEC 6664-1)           Coating folding         Nickled           Casing of fitting         nickle plated           Material assaket         FKM           Locking material         Zim disc-easting           Mechanical data   Municipal data         Material screw connection           Mechanical data   Municipal data         Material screw connection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature max.         25 °C           Additional condition temperature max.         455 °C           Additional condition temperature max.         455 °C           Action strain relief         Protect the connectors by suitable measures from mec	Operating voltage DC (UL-listed)	30 V
Mounting set M12 x 1  Pevice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60684-1) 1  Controur for corruptated hose without  Mechanical data   Material data  Coating looking Nickeled  Coating looking nickel plated  Material gasket FKM  Locking material Zinc disc-casting  Material gasket FKM  Locking material Zinc disc-casting  Mechanical data   Mounting data  Material grown connection Zinc disc-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental cha	Current operating per contact max.	4 A
Device protection   Electrical   Inserted, screwed	Installation   Connection	
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge votage         1,5 kV           Material group (IEC 60684-1)         1           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickeled           Material gasket         FKM           Coating of fitting         nickel plated           Material screw connection         2 inc die-casting           Meterial screw connection         2 inc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         peedering on cable quality           Important installation notes         attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be entire a trange of weakly excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Installation   Installation   Installation	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (E 60664+1)         1           Mechanical data         Image: Control for corrugated hose without           Mechanical data (Material data)         Image: Coating locking in Cikeled (Coating locking and in Cikeled (Coating Cikeled (Coati	Device protection   Electrical	
Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (E 60664+1)         1           Mechanical data         Image: Control for corrugated hose without           Mechanical data (Material data)         Image: Coating locking in Cikeled (Coating locking and in Cikeled (Coating Cikeled (Coati		inserted screwed
Rate of group (IEC 60664-1)         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Mechanical data   Material data         Without           Coating of fitting         Nickeled           Coating of fitting         Nickeled           Locking material         FKM           Locking material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature man.         25 °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 bearing radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacker Color </td <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>		· · · · · · · · · · · · · · · · · · ·
Machaical data         Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data         Wechanical data   Material data           Coating folding         Nickeled           Coating folding         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Inportant installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Verificate   Cable dentification   Single den		
Mechanical data         without           Contour for corrugated hose         without           Mechanical data   Material data         Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes         S°C           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         Froduct standard         DIN EN 61076-2-101 (M12)           Installation   Cable         wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding (type 2)		
Contour for corrugated hose without  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Material gasket FKM Locking material Zinc die-casting Material sorew connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality 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  Product standard DIN EN 61076-2-101 (M12) Installation   Cable wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Color violet Type of Certificate CURsus Amount stranding 1 Stranding (type 2) 2 Stranded joints twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (coverage) 65 % Banding Foil		
Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature many         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 ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be encharagered by excessive bending forces.           Conformity         Protect standard           Installation   Cable         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joi		
Coating locking Nickeled Coating of fitting nickel plated Material gasket FKM Material gasket FKM Material gasket Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature man. 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 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)  Installation   Cable  wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Color violet  Type of Certificate cURus  Amount stranding 1 1  Stranding 1 2 wires twisted  Amount stranding (type 2) 1 1  Stranding (type 2) 2 2 Stranded joints twisted  Cable ishelieding (type) cooper braid, tinned  Cable ishelieding (type) 65 %  Earling Fig. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		without
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Wechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         35 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           wire arrangement         (white, blue), (black, red)           Gable identification         803           Jacket Color         violet           Type of Certificate         CURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           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.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         URus           Amount stranding (type 2)         1           Stranding         2 wires twisted           Cable shie	Coating locking	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Vote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Atention: 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)           Installation   Cable         Write arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         CURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)	Coating of fitting	nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           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.           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)           Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cabl	Material gasket	FKM
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Abortional 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)  Installation   Cable  wire arrangement  (white, blue), (black, red)  Cable identification  Bos  Jacket Color  violet  Type of Certificate  CURus  Amount stranding  1  Stranding  2 wires twisted  Amount stranding (type 2)  1 Strandeng (type 2)  2 Stranded joints twisted  Cable shielding (type)  copper braid, tinned  Cable shielding (coverage)  65 %  Banding  Foil	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  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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on 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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Operating temperature min.	-25 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Image: Cable installation   Cable	Operating temperature max.	85 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Image: Cable installation   Cable	Additional condition temperature range	depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil		
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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	•	Protect the connectors by suitable measures from mechanical leads, a.g. by the usage of cable ties
Rote on bending radius endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	-	
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Note on bending radius	
wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Conformity	
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Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Installation   Cable	
Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	wire arrangement	(white, blue), (black, red)
Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Cable identification	803
Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil	Jacket Color	violet
Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil	Amount stranding	1
Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Stranding	2 wires twisted
Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     65 %       Banding     Foil	Amount stranding (type 2)	1
Cable shielding (coverage) 65 % Banding Foil	Stranding (type 2)	2 Stranded joints twisted
Banding Foil	Cable shielding (type)	copper braid, tinned
	Cable shielding (coverage)	65 %
Drain wire (cross-section) 22 AWG	Banding	Foil
	Drain wire (cross-section)	22 AWG

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stay connected

wire arrangement	(ubita blue) (black rad)
wire arrangement	(white, blue), (black, red)
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE .
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio.
Traversing distance (C-track)	5 m

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Travel speed (C-track)	3 m/s	
No. of torsion cycles	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	