

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 18m

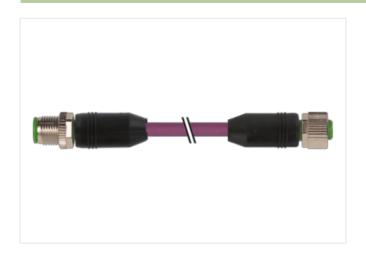
DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

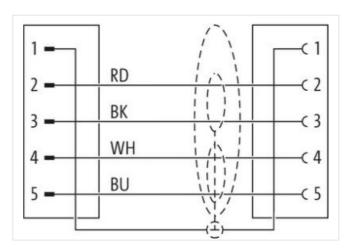
Plastic housings with good resistance against chemicals and oils.

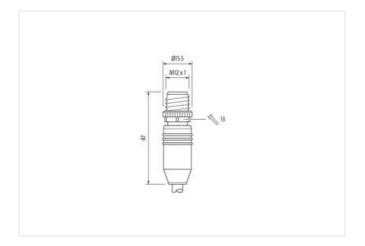
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

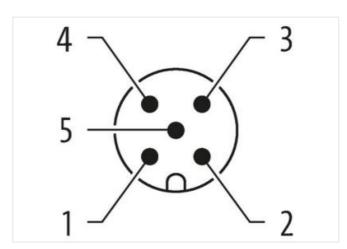
## **Link to Product**

## Illustration



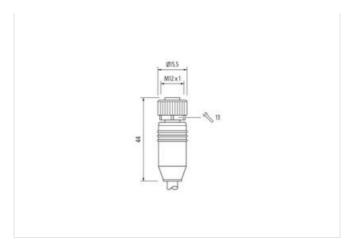


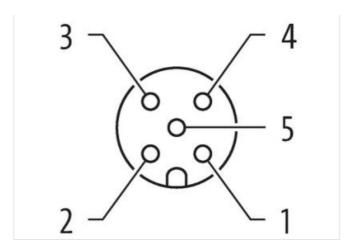






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Product may differ from Image













DeviceNet



Cable length	18 m
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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Set44280   Set4280   Set		
CITM         404887844696S           Packoging unt         1           Decreating voltage AC max.         60 V           Operating voltage DC max.         4 A           Installation   Connection         Max Product Scarce Product max.           Mounting set         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         1.5 NV           Publishor Degree         3           Red as surge voltage         1.5 NV           Macterial group (TEC 60064-1)         1           Mechanical data         Without Control of Corrupt and Index           Michanical data         Without Control of Control of Corrupt and Index           Mechanical data   Material data         Max Product Control of Control of Utiling           Material gasket         FKM           Locking material         Zinc de-casting           Material gasket         FKM           Locking material was mix of Control		
Packaging unit		
Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         MU2 x I           Mounting set         M12 x I           Device protection   Electrical         Very Control operation of Seque (UL-listed)           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         1,5 kV           Material group (UC 60064-1)         1           Mechanical data         Minout           Control of corrugated hose         without           Mechanical data   Material data         Michael           Coating of litting         nickele pated           Material gasket         FKM           Lossing material         Zinc de-casting           Mounting entry of turner in action of the patent in action of the pate		
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Ourrent operating per contact max.         4 A           Installation [Comection         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Follution Degree         3           Radid suge voltage         1,5 kV           Mechanical data         Vibrout           Mechanical data   Material data         Vibrout           Control for corrugated hose         Nickeled           Coating 1 filling         nickeled           Coating 1 filling         nickeled           Coating 1 filling         nickeled           Locking material         Zinc die-casting           Mounting method         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Vibrout the commetors by suitable measures from mechanical loads, og. by the usage of cable tos. <td>Packaging unit</td> <td>1</td>	Packaging unit	1
Operating voltage PC max         60 V           Operating voltage PC (IU-listed)         30 V           Operating voltage PC (IU-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection diagree         3           Pollution Diagree         3         9           Rated suge voltage         1,5 kV           Meetinal group (Ec 0664+1)         I           Mechanical data         Willout           Mechanical data   Material data         Mounting material data   Material data           Coating locking         Nickeled           Coating politique         PKM           Locking material         Zinc do-casting           Material speaker         FKM           Mechanical data   Material data         PKM           Locking material         Zinc do-casting           Material speaker   FKM         PKM           Developmental properature mix.         25 °C           Operating temperature mix.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Operating temperature max	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Wounting get           Mounting get         MEX x 1           Device protection   Electrical         Sectional condition protection degree           Pollution   Degree         3           Rated surge voltage         1,5 kV           Meterial group (EC 60664.1)         I           Mechanical data         Without           Control or for compaid hose         without           Mechanical data   Material data         Without           Casting of fitting         Nickeleled           Coating of fitting         Nickeleled           Casting of fitting         Nickeleled           Material graket         PKM           Locking material         Zinc die casting           Meterial group (EC 60664.1)         Zinc die casting           Meterial group commetion         Zinc die casting           Meterial group commetion         Zinc die casting           Meterial group (EC 60664.1)         Zinc die casting           Meterial group (EC 60664.1)         Zinc die casting           Meterial jamental (EC 60664.1)         Zinc die casting	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Powice protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Pollution Degree         3           Rated sup a voltage         1.5 kV           Meterial group (EC 60664+1)         1           Mechanical data         Control for corrugated hose           Mechanical data         Without           Coating locking         Nickeled           Coating of litting         nickel plated           Material grown connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature max.         25 °C           Operating temperature max.         80 °C           Additional condition temperature range         deepending on cable quality           Important installation notes	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Installation   Connection         Mile x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Follution Degree         3         3           Raced surge voltage         1,5 kV           Material group (EC 60064-1)         I         I           Mechanical data         Web Control for corrugated hose         without           Mechanical data   Material data         Nickeled         Coating toking         Nickeled           Coating toking         Nickeled         Coating toking         Nickeled           Coating toking         Nickeled         Coating toking         Nickeled           Material screw connection         Zim die casting         Mile and screw connection         Zim die casting           Material screw connection         Zim die casting         Mile and screw connection         Zim die casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Meritarial screw connection   Zim die casting         Zim die casting           Mechanical data   Mounting data         Zim die casting           Mechanical data   Mounting data	Operating voltage AC (UL-listed)	30 V
Installation   Connection         Mulricy 1           Device protection   Electrical           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meetanical data         Without           Mechanical data         Without           Mechanical data   Material data         Without           Coating locking         Nickeled           Coating of titting         nickele plated           Material speaked         FKM           Locking material         Zinc die-casting           Mechanical star Wounding data         Winder-Coating degree           Mechanical data   Mounding data         Winder-Coating degree degree           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.         25 °C           Additional condition temperature max.         85 °C         Code 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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Winder-Conformity         Winder-Conformity	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 60664-1) I  Mechanical data   Meterial data  Controur for corrugated hose without  Mechanical data   Meterial data  Coating locking Nickeled  Coating locking nickel plated  Meterial gasket FKM  Locking material Zinc diec-asting  Meterial gasket FKM  Mounting material Zinc diec-asting  Meterial data   Mounting data  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature min. 9.5 °C  Operating temperature min. 9.55 °C  Additional condition temperature range depending on cable quality  important installation notes  Note on bending radius Attendated 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 ciass can be ornalization [Cable vivice arrangement (white, blue), (black, red)  Cable identification Signal acked Color violet  Type of Certificate Culkus  Amount stranding (type 2) 2 Stranded joints twisted  Cable shelding (type) 5 Section (Signal Cable Vivice)  Cable shelding (type) 5 Section (Signal Cable Vivice)  Cable shelding (type) 5 Section (Signal Cable Vivice)  Cable shelding (type) 6	Current operating per contact max.	4 A
Device protection   Electrical   Inserted, screwed   Inserted, screwed   Inserted, screwed   Inserted   Inse	Installation   Connection	
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge votage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting date           Mechanical data   Mounting date           Environmental characteristics   Climatic           Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         Begending 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.           Aftertion: Observe the permissible bending radii when laying cables, as the IP protection class can be entable standard           Conformity           Product standard	Mounting set	M12 x 1
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge votage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting date           Mechanical data   Mounting date           Environmental characteristics   Climatic           Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         Begending 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.           Aftertion: Observe the permissible bending radii when laying cables, as the IP protection class can be entable standard           Conformity           Product standard	Device protection   Electrical	
Pollution Degree 3 Rated surge voltage 1,5 kV  Mechanical data Contour for corrugated hose without  Mechanical data Material data  Coating locking nickel plated Coating locking nickel plated Material gasket FKM Locking material wounting data (Material data Coating locking nickel plated Material gasket FKM Locking material wounting data (Material data Coating locking nickel plated Naterial gasket FKM Locking material wounting data (Material data Coating locking nickel plated Naterial gasket FKM Locking material wounting data (Mounting data Nounting data (Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 2-25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Moor 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 endangerature of the permissible bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wive arrangement (white, blue, (black, red) Cable identification 803  Jacket Cotor violet  Type of Certificate (URUs  Amount stranding (Yee 2) 11  Stranding (Yee 2) 2 Stranded joints twisted Cable shielding (coverage) 65 %  Banding Foil		inserted screwed
Rate is urge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Mechanical data   Material date         Without           Coating olcking         Nickeled           Coating of lifting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         FKM           Mechanical data   Mounting data         FKM           Operating temperature min.         25 °C           Operating temperature min.         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 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         Intention: Observe the permissible porting forces.           Conformity		· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)         I           Mechanical data         Wethanical data   Material data           Contour for corrugated hose         without           Mechanical data   Material data         Wethanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Metarial screw connection         Zinc die-casting           Metarial data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         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 bending radius         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)           wire arrangement         (white, blue), (black, red)           Cable identification <td></td> <td></td>		
Mechanical data           Continuir 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 strew connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Colperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes         Si °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           Product standard         DIN EN 61076-2-101 (M12)           Important installation Cable           wire arrangement         (white, blue), (black, red)           Cable colori         violet           Type of Certificate         clumination (blue)		
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 screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Cilmatic  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.  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 (type 2) 1  Stranding (type 2) 2  Stranding (type 2) 2  Stranding (type 2) 5  Cable shielding (coverage) 65 %  Banding File (coverage) 65 %  Banding File (coverage) 65 %		•
Mechanical data   Material data         Nickeled           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         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating 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 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         Protect standard         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding (type 2)         2 Stranded jornis twi		
Coating locking Nickeled Coating of fitting nickel plated Material gasket PKM  Material gasket Zinc die-casting Material gasket 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    Write 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 isheriding (coverage) 65 %  Banding Foil	Contour for corrugated hose	without
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         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         URUs           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           C	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-easting           Material screw connection         Zinc die-easting           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           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         BIN EN 61076-2-101 (M12)           Installation   Cable         wire arrangement           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 <td>Coating locking</td> <td>Nickeled</td>	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         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         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
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Material gasket	FKM
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) 1  Stranding (type 2) 2   2 Stranded joints twisted  Cable shielding (coverage) 55 %  Banding Foil	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.  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	Material screw connection	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  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) 2 Stranded joints twisted  Cable shielding (type 2) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Mechanical data   Mounting data	
Operating temperature min. Operating temperature max. 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 shelding (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.  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	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         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 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         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	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		
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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	
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)
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	(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 PE
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter insulation  Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
	19
Amount strands (wire)	24 AWG
Diameter of single wires	
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 (fixed)  Bending radius (dynamic)	6 x Outer diameter  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	