

## Y-Distributor M12 male / M12 female 0° A-cod.

PVC 3x0.34 bk UL/CSA 1.5m

Y-connector M12 - M12, 4/3-pole

 $\label{eq:males} \mbox{Male straight} - \mbox{females straight}$ 

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

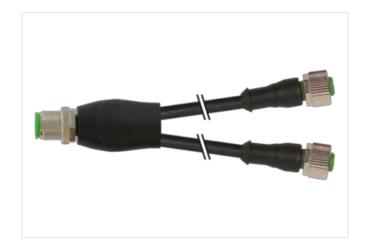
Plastic housings with good resistance against chemicals and oils.

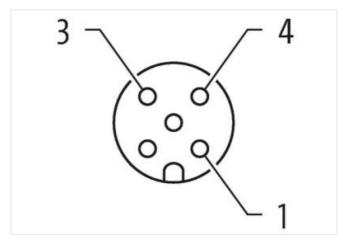
The resistance to aggressive media should be individually tested for your application. Further details on request.

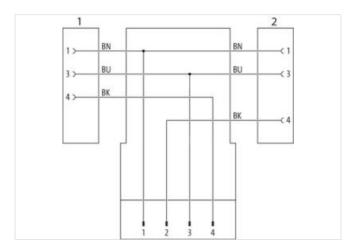
Further cable lengths on request.

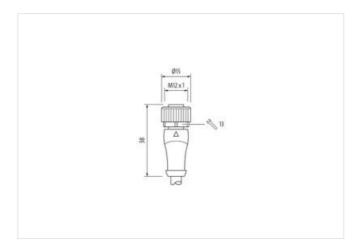
## **Link to Product**

## Illustration





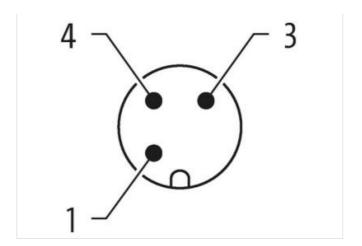






stay connected





Product may differ from Image













Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M12
Coding	A
No. of poles	3
Commercial data	



CCLASS 0.1   27278218		07070010
EGLASS 7.0         2272618           EGLASS 8.0         22726218           EGLASS 9.0         27000313           EGLASS 10.1         27000313           EGLASS 11.1         27000313           EGLASS 12.0         27000313           EGLASS 51.2.0         27000313           EGLASS 51.2.0         27000313           EGLASS 51.2.0         4048679157005           Backaging unt         1           Electrical data [Supply           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)         4 A           Diagnostics         Status indication protection [Electrical           Modification condition protection [Electrical         Modification protection [Electrical           Additional condition protection [Electrical         Modification [Electrical Inclination [Electrical Inclination [Electrical Inclination [Electrical Inclinati	ECLASS-6.0	27279218
EGLASS-8.0         2272618           EGLASS-10.1         27060313           EGLASS-11.1         27060313           EGLASS-12.0         27060313           ETIM-5.0         ECO01855           Leatons Fariff number         6544290           GTIN         4046879157005           Packaging unit         1           Electrical datal Supply         February (Control of Control	ECLASS-6.1	27279218
ECLASS 80         27000313           ECLASS-10.1         27060313           ECLASS-11.2         27060313           ECLASS-12.0         27060313           ECLASS-12.0         E0001855           customs said frumber         65444290           GTIN         406879157605           Peckaging unit         1           Electrical data [Supply         Poperating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC flux.         250 V           Operating voltage AC flux.         30 V           Operating voltage AC flux.         4 A           Diagnostics         30 V           Status indication LED         no           Installation   Connection         No           Mounting set         M12 x 1           Pecker protection   Electrical         No           Additional condition protection degree         insented, screwed           Pollution Begree         3           Radial surge voltage         2,5 kV           Material group (EC 60064-1)         1           Mochanical data   Material group (EC 60064-1)         1           Mochanical data   Material group (EC 60064-1)         1           Locking material         2 inc dio cast	ECLASS-7.0	27279218
EGLASS-101         27969313           EGLASS-11.1         27969313           ETIMS 5.0         EC001855           uculonis staff number         8544290           GTIN         4948679157605           Packaging unit         1           Electrical data   Supply         Ceparating voltage AC max.         250 V           Operating voltage AC max.         4A           Installation Commenter         10           Installation Commenter         10           Installation Commenter         M12 x 1           Device protection   Electrical         3           Additional condition protection   Electrical         3           Additional condition protection   Electrical         3           Additional proup (IEC 60664-1)         1	ECLASS-8.0	27279218
EGLASS-11 1         27960313           ECLASS-12.0         27960333           ETIM-5.0         E0001855           customs suff number         85444290           GTIN         4048873157605           Packaging unit         1           Electrical data   Supply         Voorating voitage AC max.           Operating voitage AC max.         250 V           Operating voitage AC (UL listed)         30 V           Operating voitage AC (UL listed)         30 V           Outrand potage of contact max.         4 A           Diagnostics         Status indication LED           Installation   Connection         no           Installation   Connection   Electrical         Voorating voitage AC (UL states)           Additional condition protection degree         inserted, scrowed           Pollution Degree         3           Radia surge voitage         2,5 N           Malarial group (IEC 80964-1)         1           Mechanical data   Metrial data         Voorating looking           Coating of Iffiling         nickel plated           Material growther   FKM         Looking material           Looking material         Zinc die-casting           Muterial growther   FWM         Inserted, scrowed, Shaking protection           <	ECLASS-9.0	27060313
ECLASS 12.0         27060313           ETIM-S.O         ECO01805           CTIM         4048879157805           Peckaging unit         1           Electrical data [ Supply         Peckaging voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC (ILI-listed)         30 V           Installation   Connection         Installation   Connection	ECLASS-10.1	27060313
ETIM 5.0         EC001855           customs suffil number         85444290           GTIN         4048879157605           Packaging unit         I           Electrical data   Supply         Poperating voltage AC max         250 V           Operating voltage AC (TUL-Isadd)         30 V           Operating voltage AC (TUL-Isadd)         30 V           Operating voltage AC (TUL-Isadd)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Installation   Connection         Multiple Status indication protection degree         no           Installation   Connection         Multiple Status indication protection degree         3           Pollution Degree         3         3           Relied surge voltage         2.5 KV           Material group (IEC 6068-1)         1           Mechanical data   Material data         Incident of the protection of th	ECLASS-11.1	27060313
GITIN         4048079157005           GITIN         4048079157005           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Installation (ED           Status indication LED         no           Installation   Connection         Installation   Connection           Mounting set         MI 2 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         1 sex reveal           Pollution Degree         3           Rated surge voltage         2.5 kV           Mechanical data   Material data         Nickelad           Coating of Efficial         Nickelad           Coating of Efficial         Nickelad           Coating of Efficial         Nickelad           Material gasket         FKM           Material gasket         FKM           Mounting method         inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection <td>ECLASS-12.0</td> <td>27060313</td>	ECLASS-12.0	27060313
GTIN         4048879157605           Packaging unit         1           Electrici data   Supply         Coperating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Oursett Operating per contact max.         4 A           Diagnostics         Status indication LED         no           Installation   Connection         M12 x 1           Powice protection   Electrical         M2 x 1           Powice protection   Electrical         Value   Powice protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 80684-1)         1           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Inc die-casting           Material grow connection         Zinc die-casting           Mechanical data   Mounting data <th< td=""><td></td><td></td></th<>		
Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating portogate portogate per contact max.         4 A           Diagnostics         ************************************		
Electrical data   Supply         250 V           Operating voltage AC max.         250 V           Operating voltage AC (IL-listed)         30 V           Operating voltage DC (IL-listed)         30 V           Operating voltage DC (IL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raded surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating docking           Coating docking         Nickeled           Coating docking         Nickeled           Coating of fitting         nickel plated           Material screw connection         Zino die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.		
Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Ratio surge voltage         2,5 kV           Mactinal protection   Electrical         3           Material group (EC 60084+1)         1           Method in a condition protection degree         3           Ratio surge voltage         2,5 kV           Method in a condition of the protection   Electrical         4           Method in a condition of the protection   Electrical         1           Method in a condition of the protection   Electrical         1           Method in a condition of the protection   Electrical         2,5 kV           Method in a condition of the protection   Electrical         2,5 kW           Multiple protection   Electrical         2,5 kW           Material storew connection   Electrical	Packaging unit	1
Operating voltage DC max.         250 V           Operating voltage AC (UL-Isled)         30 V           Current operating per contact max.         4 A           Image: Contact max.         MIX 1           Image: Contact max.         MIX 2 X           Image: Contact max.         MIX 2 X           Mechanical data Material data           Coating Coding on Mixing Material data         MIX delead           Mechanical data   Mounting data         Mounting active active contact max.           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristi	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Mount of March 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nikckeled           Coating of lotking         nikckel plated           Material grow connection         Zinc die-casting           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         -25 °C           Operating temperature may         depending on cable quality           Important installation notes	Operating voltage AC max.	250 V
Operating voltage DC (VL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED no Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Mechanical data   Material data  Material screw connection   Zinc die-casting  Material screw connection   Zinc die-casting  Mechanical data   Mounting data   Mounting data  Mechanical data   Mounting	Operating voltage DC max.	250 V
Current operating per contact max. 4 A  Diagnostics Status indication LED no Installation   Connection Wourting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1)   1  Mechanical data   Material data  Coating of fitting nickel platted  Material group (EC 60664)   Zinc die casting Material screw connection   Zinc die casting Material protectistics   Climatic  Environmental characteristics   Climatic  Coperating temperature min.	Operating voltage AC (UL-listed)	30 V
Diagnostics           Status indication LED         no           Installation   Connection           Mounting set         M12 x 1           Power protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 k V           Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasker         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Environmental characteristics   Climatic           Operating temperature min.         2.5 °C           Operating temperature min.         2.5 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Pro	Operating voltage DC (UL-listed)	30 V
Status indication LED no monitor installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking nickel plated  Material gasket FKM  Locking material   Zinc die-casting  Material gasket   FKM  Locking material   Mounting data  Mechanical data   Munting data  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Munting data  Mounting method   25 °C  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 Data (Schie)  Locking magnered Schie, 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.	Current operating per contact max.	4 A
Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 3,5 kV  Material group (IEC 60664-1)   I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material gasket FKM  Locking material 2 Xinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Diagnostics	
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Astende surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material grace your plate of the plate of t	Status indication LED	no
Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) 1  Coating locking Nickeled  Coating locking Nickeled  Coating lotking Nickeled  Coating of fitting Nickel plated  Material gasket FKM  Locking material Zinc dis-casting  Methanical data   Mounting data Zinc dis-casting  Methanical data   Mounting data Zinc dis-casting  Methanical 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 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 Weiter arangement brown, black, blue  Cable Identification 613  Cable Type 1	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Coating locking Nickeled  Coating loftiting nickel plated Material gasket FKM Locking material Zinc die-casting Material screw connection Zinc die-casting  Methanical 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 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  wive arrangement brown, black, blue Cable identification 613  Cable Type 1	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) I  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   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  Installation   Cable  wire arrangement brown, black, blue Cable identification 613 Cable Type 1	Device protection   Electrical	
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Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Methanical 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 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 brown, black, blue  Gable Type 1	Pollution Degree	3
Mechanical data   Material 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   Climatic   Operating temperature min.	Rated surge voltage	2,5 kV
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  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 brown, black, blue Cable Inper	Material group (IEC 60664-1)	1
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  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 brown, black, blue  Cable identification 613  Cable Type 1	Mechanical data   Material data	
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  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 brown, black, blue  Cable identification 613  Cable Type 1	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  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 brown, black, blue  Cable identification 613  Cable Type 1	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 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 brown, black, blue  Cable identification 613  Cable Type 1	Material gasket	FKM
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 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 brown, black, blue  Cable identification 613  Cable Type 1	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 brown, black, blue  Cable identification 613  Cable Type 1	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 brown, black, blue  Cable identification 613  Cable Type 1	Mechanical data   Mounting data	
Operating temperature min. 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 brown, black, blue  Cable identification 613  Cable Type 1	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 brown, black, blue  Cable identification 613  Cable Type 1	Environmental characteristics   Climatic	
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 brown, black, blue  Cable identification 613  Cable Type 1	Operating temperature min.	-25 °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 brown, black, blue  Cable identification 613  Cable Type 1		
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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 brown, black, blue  Cable identification 613  Cable Type 1		
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 brown, black, blue  Cable identification 613  Cable Type 1	•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 613  Cable Type 1	Conformity	
wire arrangement brown, black, blue  Cable identification 613  Cable Type 1	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 613 Cable Type 1	Installation   Cable	
Cable identification 613 Cable Type 1	wire arrangement	brown, black, blue
	Cable identification	
	Cable Type	1
	Jacket Color	black



Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	34,1 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 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)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter