

## M12 male 90° A-cod. with cable shielded

PVC 5x0.34 shielded gy 1.5m

Male 90° M12, 5-pole shielded A-coded

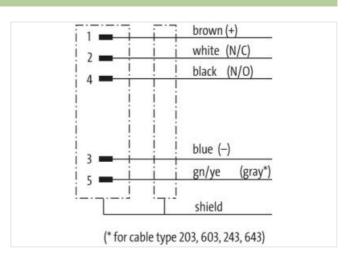
Plastic housings with good resistance against chemicals and oils.

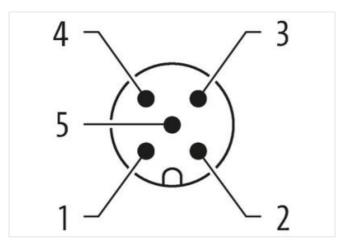
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

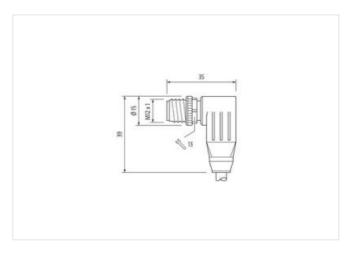
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-08



stay connected

International Content   Inte	Mounting method	inserted, screwed
Family construction form         M12           Throad         M12 1           Coding         A           Material contact         Copper alloy           Width account of the EC 60529         PDE, FREEK, FREEK           Width account of EC 60529         PPES, FREEK, FREEK           Side 2         Continue contact         Gold plated           Commercial date           ECI.ASS-6.0         27279218           ECI.ASS-7.0         27279218           ECI.ASS-7.0         27279218           ECI.ASS-8.0         27279218           ECI.ASS-9.0         27090011           ECI.ASS-9.0         27090011           ECI.ASS-10.1         27090011           ECI.ASS-10.2         27090011           ECI.ASS-10.2         27090011           ECI.ASS-10.2         27090011           ECI.ASS-10.2         27090011           ECI.ASS-10.2         27090011           ITIM-5.0         6         COUNTRY           Country of Colspan Interfact data Isolated Accountry         4         A           ITIM-5.0         4         A         A	-	· · · · · · · · · · · · · · · · · · ·
Tread		
Coding         A           Material contact         Copporality           Material contact         Copporation           Wich across flats         SW13           Degree of proteion (ENE 08029)         IP85, P66K IP67           Side 2           Coating contact         go plated           Coating contact           ECLASS-6.0         2779218           ECLASS-7.0         2779218           ECLASS-9.0         2779218           ECLASS-9.0 <th< td=""><td></td><td></td></th<>		
Material contact         Copper alloy           Material contact         PUR           Worth arous files         SW13           Degree of protection (EN IEC 60029)         PSE, IPGEN, IPG7           Side 2         Coating contact         gold pated           Coating contact         gold pated           ECLASS-6.0         22729218           ECLASS-7.0         2779918           ECLASS-8.0         2779918           ECLASS-9.0         27069311           ECLASS-9.1         27069311           ECLASS-1.1         27069311           ECLASS-1.2.0         27069311           ETM-5.0         E0001855           CALSS-1.0.1         4048879200554           Packaging unit         1           Electrical datal Supply         4048879200554           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating protection [Electrical         40		
Material         PUR           Width across fiets         SWI3           Degree of protection (EN IEC 60529)         IPBS, IP66K, IP67           Side 2         Contage contact           Cotaling contact         gold plated           Contage contact           ECLASS-8.0         2779218           ECLASS-8.0         2779218           ECLASS-8.0         2779218           ECLASS-9.0         27000311           ECLASS-1.1         27068311           ECLASS-1.1         27068311           ECLASS-1.1         27068311           ECLASS-1.1         27068311           ECLASS-1.1         27068311           ECLASS-1.1         27068311           ECLASS-1.2         27090311           ETMS-0         EC001855           Countorn striff number         8444290           GTN         404878720054           Packaging unit         1           Electrical data [Suppty           Operating voltage AC max.         60 V           Operating voltage AC max.         40 V           Operating voltage AC max.         40 V           Operating voltage AC max.         40 V           Operating voltage account max.		
Width across flats         SW13           Degree of protection (ENIEC 60529)         P65, IP66K, IP67           Side 2         Coating contact         gold plated           Coating contact         gold plated           Coating contact         gold plated           Coating contact         gold plated           COASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27060311           ECLASS 1.1         27060311           ECLASS 1.1         27060311           ECLASS 1.1.1         27060311           ECLASS 1.2.0         27060311           ECLASS 1.1.1         27060311           ECLASS 1.1.1         27060311           ECLASS 1.1.0         27060311           ECLASS 1.1.0         27060311           ECLASS 1.1.1         27060311           ECLASS 1.1.1         27060311           ECLASS 1.1.2         27060311           ECLASS 1.1.2         2706		
Side 2           Coaling contact         gold plated           Coaling contact         gold plated           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ETMS-5.0         EC001895           customs staff number         85444290           GTN         408872900554           Packaging unit         1           Electrical data I Supply         50 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Installation Connection         Mit2 x 1           Perfolion one-grainer         3           Routing set         MT2 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated sing woltage         1,5 kV           Meterial group   ECC 60694-1           I           Meterial group   ECC 60694-1		
Side 2           Commercial data           COMMERCIAL GATE           COLASS-0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         2060311           ECLASS-12.0         27060311           ETIMS-D.         ECO01855           CLUASS-12.0         27060311           ETIMS-D.0         ECO01855           CLUASS-12.0         27060311           ETIMS-D.0         ECO01855           CLOSING STATE Mumber         85444290           GTIN         4048879200564           Packaging unit         1           Electrical data I Supply         V           Operating voltage AC max.         60 V           Operating voltage pc Created max.         4 A           Installation   Connection         Murral Mumber per contact max.           Political potential   Electrical         A           Additional condition protection degree         inserted, screwed           Pollution   Degree         3           Rated surge voltage         1,5 kV           Macerial coloring   Electrical data   Multing data	Degree of protection (EN IEC 60529)	
Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-17.0         ECOMISSS           casioms larilf number         8544290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Device protection   Electrical           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material street         2 inc dis-casting           Material group material         2 inc dis-casting           Material group memperature mix.		
Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-17.0         ECOMISSS           casioms larilf number         8544290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Device protection   Electrical           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material street         2 inc dis-casting           Material group material         2 inc dis-casting           Material group memperature mix.	Coating contact	gold plated
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs lard number         B644290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Dagne         3           Reted surge voltage         1,5 kV           Material surge voltage         Nickeled           Coating locking         Nickeled           Coating locking anterial         Zinc die-casting           Mechanical data   Mounting data         inserted,		
ECLASS-7.0         27279218           ECLASS-9.0         27709218           ECLASS-9.0         27009311           ECLASS-10.1         27069311           ECLASS-11.1         27069311           ECLASS-12.0         27069311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404887920554           Packaging unit         1           Electrical data   Supply         1           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60064-1)         1           Mechanical data   Material data         1           Coating locking         Nickeled           Coating of fitting         nickeled casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data         Image decenting t		27270218
ECLASS 8.0         27279218           ECLASS 9.0         27660311           ECLASS 10.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           ECLASS 17.0         ECO01855           customs tariff number         85444290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Corrent operating per contact max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical Additional condition protection degree           Pollution Degree         3           Rated surge voltage         1,5 kV           Material sorue (Ec 60664+1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating internal metrical protection   Electrical coating           Mounting method		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           ucustoms tariff number         8544290           GTIN         4048879200554           Packaging unit         1           Electrical data [Supply         V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Installation [Connection         W           Mounting set         M12 x 1           Device protection [Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 66064-1)         1           Locking material         Zinc die-casting           Mechanical data [Material data         Coating locking           Coating locking         Nickeled           Coating method         inserted, screwed, Shaking protection           Mechanical data [Mounting data         inserted, screwed, Shaking protection <td></td> <td></td>		
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404873200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Insert of the protection o		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage pc contact max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree           Additional condition protection degree         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Munting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.		
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048879200554           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating per contact max.         4 A           Installation   Connection         Muniting set         M12 x 1           Device protection   Electrical         Was 1         Machina   Supply		
customs tariff number 85444290 GTIN 4048879200554 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating por contact max. 4 A Installation   Connection Wounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Politation Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) I Mechanical data   Material data Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Environmental characteristics   Climatic Environmental characteristics   Climatic Coperating temperature min25 °C Operating temperature min25 °C Operating temperature max. 85 °C Additional condition rediction class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
customs tariff number 85444290 GTIN 4048879200554 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating por contact max. 4 A Installation   Connection Wounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Politation Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) I Mechanical data   Material data Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Environmental characteristics   Climatic Environmental characteristics   Climatic Coperating temperature min25 °C Operating temperature min25 °C Operating temperature max. 85 °C Additional condition rediction class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
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Commit   C	GTIN	4048879200554
Operating voltage AC max. 60 V Operating voltage DC max. 60 V 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 1,5 kV  Material group (IEC 6064-1) 1  Mechanical data   Material data Coating locking Nickeled Coating locking Nickeled Coating locking Nickeled Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Munting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes 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.	Packaging unit	f .
Operating voltage DC max. 60 V 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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting  Materials zerw 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.	Electrical data   Supply	
Operating voltage DC max. 60 V 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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated 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.	Operating voltage AC max.	60 V
Installation   Connection  Mounting set M12 x 1  Device 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   Material data  Coating locking Nickeled  Coating locking nitting nickel plated 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. 45 °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.		60 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   Material data  Coating locking Nickeled  Coating of fitting nickel plated  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 Protection class can be endangered by excessive bending forces.  Conformity	Current operating per contact max.	4 A
Device 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   Material data  Coating locking Nickeled  Coating of fitting nickel plated  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 bending radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  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.	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  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 radiiw when laying cables, as the IP protection class can be endangered by excessive bending forces.	Device protection   Electrical	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  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.	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  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.  -25 °C  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.	Pollution Degree	3
Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated 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.  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.	Rated surge voltage	1,5 kV
Coating locking Nickeled Coating of fitting nickel plated 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.	Material group (IEC 60664-1)	T
Coating of fitting nickel plated  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	Mechanical data   Material data	
Locking material  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  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	Coating locking	Nickeled
Material screw connection  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	Coating of fitting	nickel plated
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.	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	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  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.  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	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.  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	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	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	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	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Additional condition temperature range	depending on cable quality
Note on bending radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Important installation notes	
endangered by excessive bending forces.  Conformity	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	
Product standard DIN EN 61076-2-101 (M12)	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-08



stay connected

Installation   Cable	
Cable identification	348
Jacket Color	gray
Amount stranding	1
Stranding	5 wires around Core filler twisted
Stranding factor min.	75 mm
Stranding factor max.	75 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	72,05 g/m
Material jacket	PVC
Shore hardness jacket	75 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	85 Shore A
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° ℃
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)	15 x Outer diameter