

## M8 male 90° / M12 female 90° A-cod. LED

PVC 3x0.25 gy UL/CSA 1m

Male 90° – female 90° M8 – M12, 3-pole

 $2 \times$  LED (PNP), (NPN) on request

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

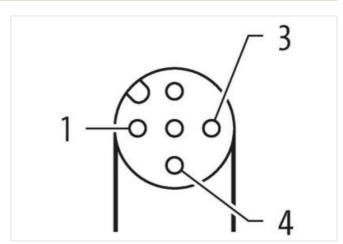
Plastic housings with good resistance against chemicals and oils.

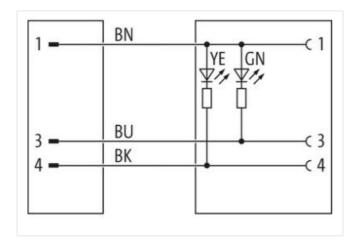
The resistance to aggressive media should be individually tested for your application. Further details on request.

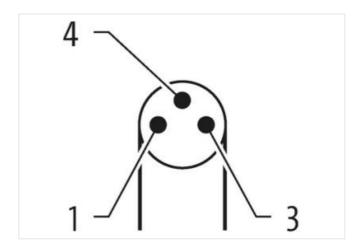
## **Link to Product**

## Illustration



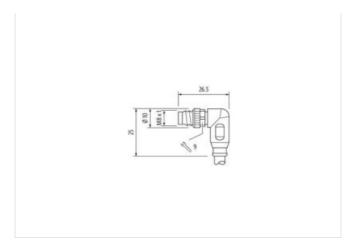


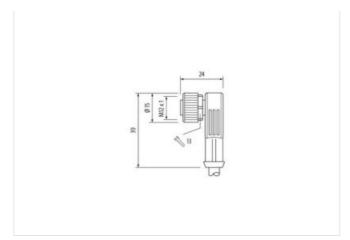






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Product may differ from Image





Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Goding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.1         27279218           ECLASS-6.1         27279218 <tr< th=""><th>Cable length</th><th>1 m</th></tr<>	Cable length	1 m
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cabie outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Side 2         Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Goding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Side 1	
Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218	Tightening torque	0,4 Nm
Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218	Mounting method	inserted, screwed
Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coaling contact         gold pated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Coating contact	gold plated
suitable for corrugated tube (internal Ø)         6,5 mm           Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Family construction form	M8
Gender         male           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Thread	M8 x 1
Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	suitable for corrugated tube (internal Ø)	6,5 mm
Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Gender	male
Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Cable outlet	angled
No. of poles 3 Width across flats SW9  Side 2  Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Gender female suitable for corrugated tube (internal Ø) 10 mm Cable outlet angled Coding A Material contact Copper alloy No. of poles 3 Width across flats SW13  Commercial data  ECLASS-6.0 27279218 ECLASS-7.0 27279218  ECLASS-7.0 27279218	Coding	A
Width across flats         SW9           Side 2         Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Material contact	Copper alloy
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	No. of poles	3
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Width across flats	SW9
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Side 2	
Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Mounting method	inserted, screwed
Thread         M12 x 1           Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218	Coating contact	gold plated
Gender         female           suitable for corrugated tube (internal Ø)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Family construction form	M12
suitable for corrugated tube (internal ∅)         10 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Thread	M12 x 1
Cable outlet         angled           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Gender	female
Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	suitable for corrugated tube (internal $\emptyset$ )	
Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Cable outlet	angled
No. of poles 3 Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218	Coding	A
Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218	Material contact	Copper alloy
Commercial data       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-7.0     27279218	No. of poles	3
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218	Width across flats	SW13
ECLASS-6.1 27279218 ECLASS-7.0 27279218	Commercial data	
ECLASS-7.0 27279218	ECLASS-6.0	27279218
	ECLASS-6.1	27279218
ECLASS-8.0 27279218	ECLASS-7.0	27279218
	ECLASS-8.0	27279218



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ECLASS-9.0   27060311   ECLASS-10.1   27060311   ECLASS-11.1   27060311   ECLASS-12.0   2706031   ECLAS	FOL 400 0 0	0700014
ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECTM-5.0         ECD01855           customs tariff number         85444290           GTN         4048879120009           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, yellow           Device protection [ Electrical           Degree of protection (En IEC 66529)           Pegree of protection (En IEC 66529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         0,8 kV           Material gooking         Nickeled           Material gusket         FKM           Material positing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C		
ECIASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 8544290 GTIN 4048879120609 Packaging unit 1  Electrical data   Supply Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection (EN IEC 60529)   IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0.3 kV  Material group (IEC 60664-1)   I  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM Material possing PUR Locking material 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 bonding radius Protection class can be endangered by successive bending forces.  Conformity  Product standard DN IN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation (Cable wire arrangement brown, black, blue		
ETIM-5.0 EC001855 customs tariff number 85444290 GSTIN 404879120609 Packaging unit 1  Electrical data   Supply Operating voltage DC max. 30 V Operating voltage DC max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3 S  Rated surge voltage 0.3 k.V  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material proup (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material proup (IEC 60664-1) Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature mix. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue		
customs tariff number 85444290 GTIN 4048879120609 Packaging unit 1 Electrical data   Supply Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED green, yellow Device protection   Electrical Degree of protection (Electrical Degree of protection (Electrical per contact max) Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0.9 kV Material group (IEC 60664-1) I Mechanical data   Material data Coating locking Nickeled Material gasket FKM Material housing PUR Locking material Purple of the 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 Vivous arrangement brown, black, blue		
Packaging unit   1		
Packaging unit 1    Electrical data   Supply		
Control data   Supply	<u> </u>	
Operating voltage DC max. (UL-listed) 30 V Operating voltage DC max. (UL-listed) 30 V Ournet operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material pasket FKM Material pasket FKM Material pasket Zinc die-casting  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Important installation notes  Note on bending radius Protection class can be endangered by excessive bending forces.  Product standard Cable  Wire arrangement brown, black, blue		
Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material pasket FKM  Material housing PUR  Locking material Zinc die-casting  Mechanical data   Mounting 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue		
Current operating per contact max. 4 A  Diagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 6064-1) I  Mechanical data   Material data  Coating locking Nickeled  Material pasket FKM  Material blousing PUR  Locking material 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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue		
Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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 enabled and and and and and and and and and an		30 V
Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60684-1) I  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 lies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Current operating per contact max.	4 A
Degree of protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Diagnostics	
Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Material gasket FKM Material housing PUR Locking material 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 Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Status indication LED	green, yellow
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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.  Conformity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Device protection   Electrical	
Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Material gasket FKM Material housing PUR Locking material 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.  Conformity  Product standard DIN En 61076-2-101 (M12), DIN En 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Pollution Degree	3
Mechanical data   Material data  Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Rated surge voltage	0,8 kV
Coating locking Nickeled  Material gasket FKM  Material housing PUR  Locking material 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Material group (IEC 60664-1)	I
Material gasket FKM  Material housing PUR  Locking material 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Mechanical data   Material data	
Material housing PUR Locking material 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Coating locking	Nickeled
Locking material  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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Material gasket	FKM
Mechanical 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Material housing	PUR
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Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable wire arrangement brown, black, blue		
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue	Note on bending radius	endangered by excessive bending forces.
Installation   Cable wire arrangement brown, black, blue	Conformity	
wire arrangement brown, black, blue	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
<u> </u>	Installation   Cable	
Cable identification 210	wire arrangement	brown, black, blue
	Cable identification	210
Cable Type 1	Cable Type	1
Jacket Color gray	Jacket Color	gray
Type of Certificate cURus	Type of Certificate	cURus
Amount stranding 1	Amount stranding	1
Stranding 3 wires twisted	Stranding	3 wires twisted
wire arrangement brown, black, blue	wire arrangement	brown, black, blue
Cable weigth 29,37 g/m	Cable weigth	-
Material jacket PVC	Material jacket	PVC
Shore hardness jacket 85 ± 5 Shore A	Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket) 4,5 mm		

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: 2024-06-23



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)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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	4,5 A
Electrical resistance line constant wire	79 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 ℃
Operating temperature max. (dynamic)	80 °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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter