

M12 female 90° A-cod. with cable LED

PUR 4x0.34 gy UL/CSA 5m

⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female 90° M12, 4-pole 3× LED (PNP)

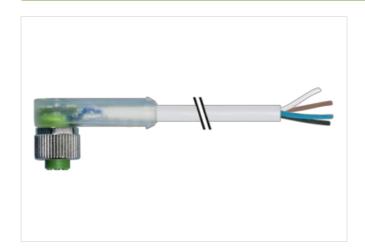
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

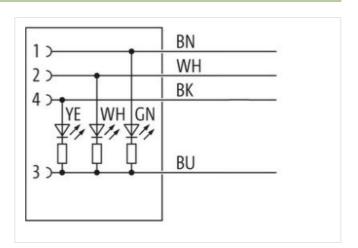
Plastic housings with good resistance against chemicals and oils.

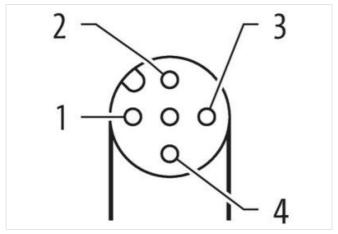
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

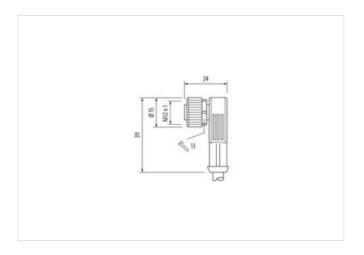
Link to Product

Illustration









Product may differ from Image













stay connected

Family construction form M12 Thread M12 x 1 Thread M12 x 1 Matural M12 x 1 Matural PUR Modification PUR Modi	Cable length	5 m
Mounting method inserted, sorewed Family construction from M12 Family construction from M12 x 1 suitable for corrugated bude (internal Ø) 10 mm Coding A Material PUR Width across fists SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial date PECLASS-R0 ECLASS-R0 27279218 ECLASS-R0 27279218 ECLASS-R0 27279218 ECLASS-R0 27279218 ECLASS-R0 27060311 ECLASS-R0 27060311 ECLASS-R1 27060311 ECLASS-R12.0 27060311 ECLASS-R12.0 27060311 ECLASS-R12.0 27060311 ECLASS-R12.0 27060316 COParating value 40487320398 Packaging unit 40487320398 Packaging unit 419 Electrical data i Suppi 30 V Operating vallage DC max. 30 V Operating vallage DC max. 30 V	Side 1	
Family construction form M12 Thread M12 x 1 unitable for conguiand tube (internal 0) 10 mm Coding A Width across flats SW13 Degree of protection (EN IEC 60529) IPS6, IPS6K, IPS7 Commercial date Feb. (IPS6K, IPS7) ECLASS-6.0 2779218 ECLASS-7.0 2779218 ECLASS-8.0 2779218 ECLASS-8.0 2779218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.2 27060311 ECLASS-12.0 27070311 Polyacity on the control on	Tightening torque	0,6 Nm
Treed M12 x I subtable for corrugated tube (internal C) M10 mm Coding A Material PUR Width across fats SW13 Degree of protection (EN IEC 60529) UPS, IPSK, IPSK Commercial data Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27000311 ECLASS-9.0 27000311 ECLASS-9.1 27000311 ECLASS-1.1 27000311 ECLASS-1.1 27000311 ECLASS-1.1 27000311 ECLASS-1.1 27000311 ECLASS-1.1 27000311 ECLASS-1.2 27000311 ECLASS-1.2.0 27000311 <t< td=""><td>Mounting method</td><td>inserted, screwed</td></t<>	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUB Width acoss flats SW13 Degree of protection (EN IEC 68529) PP6, PP6K, IP67 Commercial dats Commercial dats ECLASS 6.0 27279218 ECLASS 7.0 27279218 ECLASS 8.0 27779218 ECLASS 9.0 27606031 ECLASS 9.0 27606031 ECLASS 10.1 27060311 ECLASS 11.2 27060311 ECLASS 12.0 27060311 ETIM 5.0 ECO01955 COUNTIES COUNTIES GTIN 4048879203098 Peckaging unit 1 Electrical data [Supply Poreating voltage DC max. Operating voltage DC max. 30 V Operating voltage DC max. 4 A Operating voltage DC max. 4 A Operating voltage DC max. (b) Volume (c) Volume (c	Family construction form	M12
Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IPPS, IP6R, IP67 Commercial data Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.0 480879203098 Packaging unit 1 Electrical data Suphy Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 4 A	Thread	M12 x 1
Material PUR Width across flats SW13 Degree of protection (EN EC 60529) PPS, (PBK, IP67) Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-12.0 27060311 ECLASS-12.1 27060311 ECLASS-12.0 27070311 Declass-12.0 </td <td>suitable for corrugated tube (internal Ø)</td> <td>10 mm</td>	suitable for corrugated tube (internal Ø)	10 mm
With across flats SWI3 Degree of protection (ENIEC 60529) P65, F96K, F967 Commercial date P65, F96K, F967 ECILASS-6.0 27279218 ECILASS-6.1 2779218 ECILASS-7.0 27279218 ECILASS-8.0 2779218 ECILASS-8.0 277960311 ECILASS-1.1 27060311 ECILASS-1.2 27060311 ECILASS-1.3 27060311 ECILASS-1.1 27060311 ECILASS-1.2.0 2806311 ETIM-5.0 ECO1885 customs staff number 85444290 GTIN 404887292098 Packaging unit 1 Electrical data I Supply Poperating voltage DC Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set Mil 2 i Mounting set <t< td=""><td>Coding</td><td>A</td></t<>	Coding	A
Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27080311 ECLASS-9.0 27080311 ECLASS-10.1 27080311 ECLASS-11.1 27090311 ECLASS-12.0 27080311 ECLASS-12.0 EC0191855 customs staff number 85444290 GTIN 404873200098 Packaging unit 1 Electrical data Suppty Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 40 N Displagnostics V Status indication LED green, white, yellow Installation Connection Mix 1 Device protection Electrical Additional condition protection degree inserted, screwed	Material	PUR
Commercial data ECLASS-6.0 27279218 ECLASS-6.1 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 EC01855 customs tariff number 85444290 GTIN 40487920308 Packaging unit 1 Electrical data Supply Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED Status indication LED green, white, yellow Installation Connection Mounting set Mounting set M12 x 1 Device protection Electrical 1 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV <	Width across flats	SW13
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-9.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 2706031 CITIM DECLASS-12.0 4001855 Customs tariff number 8544290 GTIN MARKS SELO 4048879203098 Packaging unt 1 Electrical data Supply V Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Diagnostics Status indication LED Status indication LED groen, white, yellow Installation Connection Multipate of the protection Electrical Additional Condition protection de	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 CUBST-11.1 4048879203098 TOTIN 4048879203098 TOPERATING VORTING TOTING T	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27260311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Voperating voltage DC Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. (UL-listed) 30 V Operating per contact max. 4 A Diagnostics Status indication LED Brace translation Connection Mult2 x 1 Device protection Electrical Additional contition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage <td>ECLASS-6.0</td> <td>27279218</td>	ECLASS-6.0	27279218
ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 12060311 EVELOPERATOR OF THE PROPERATOR OF THE P	ECLASS-6.1	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 12060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 404879203098 Packaging unit 1 Electrical data Supply Operating voltage DC 7 Operating voltage CC 7 Operating volt	ECLASS-7.0	27279218
ECLASS-10.1 27060311 ECLASS-12.0 27060311 ETIMI-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating per contact max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree Inserted, screwed Pollution Degree 3 Additional material data Coating obeing Nickeled Coating of lifting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Me	ECLASS-8.0	27279218
ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Cleptating voltage DC Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Operating per contact max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree Additional condition protection degree Asked surge voltage Material gooking Material data Material data Coating of litting Locking material Zinc die-casting Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mountin	ECLASS-9.0	27060311
ECLASS-12.0 27060311 ETIM-5.0 EC001885 customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree Installation Connection inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating of fitting nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zi	ECLASS-10.1	27060311
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Operating voltage DC 24 ∨ Operating voltage DC 30 ∨ Operating voltage DC min. 18 ∨ Operating voltage DC max. 30 ∨ Operating voltage DC max. 30 ∨ Operating voltage DC max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Polilution Degree 3 3 Rated surge voltage Q in Berland (EC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Poperating temperature min25 °C Operating temperature max. 85 °C	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879203098 Packaging unit 1 Electrical data Supply Perating voltage DC Operating voltage DC min. 18 V 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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Mechanical data Material data Coating locking Nickeled Coating locking Nickeled Coating locking Nickeled locking material Zinc die-casting Mechanical data Mounting data Mechanical data Mounting method inserted, screwed, Shaking protection Environmental charac	ECLASS-12.0	27060311
GTIN 4048879203098 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics User of the product o	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 4 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 Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature min. -25 °C	customs tariff number	85444290
Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V 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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 inside plated Locking material Connection 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	GTIN	4048879203098
Operating voltage DC 24 V Operating voltage DC min. 18 V 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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 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. 85 °C	Packaging unit	1
Operating voltage DC min. 18 V 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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 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 Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. -25 °C Operating temperature max. 85 °C	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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 looking 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	Operating voltage DC	24 V
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, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 looking 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		18 V
Current operating per contact max. Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 Coating of fitting nickel plated Locking material Locking material Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. 85 °C	Operating voltage DC max.	30 V
Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical 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 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	Operating voltage DC max. (UL-listed)	30 V
Status indication LED green, white, yellow Installation Connection	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 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Locking 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	Diagnostics	
Mounting set M12 x 1 Device protection Electrical 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 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	Status indication LED	green, white, yellow
Device protection Electrical 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 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	Installation Connection	
Device protection Electrical 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 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	Mounting set	M12 x 1
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 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		
Pollution Degree 3 Rated surge voltage 0,8 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		
Rated surge voltage 0,8 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		
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. 85 °C		
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		
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		
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	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		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	Coating of fitting	·
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Material screw connection	Zinc die-casting
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Mechanical data Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C	Environmental characteristics Climatic	
	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality



stay connected

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)
Cable	
Cable identification	224
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	42,68 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	4× 0.34 mm²
AWG	similar to AWG 22
Material wire isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl, wh
Stranding combination	4 wires twisted
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.6 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²