

M12 female 90° A-cod. with cable LED

PUR 4x0.34 gy UL/CSA 10m

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

Female 90° M12, 4-pole

3× LED (PNP)

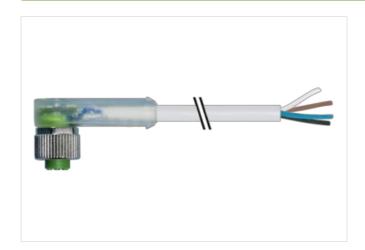
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

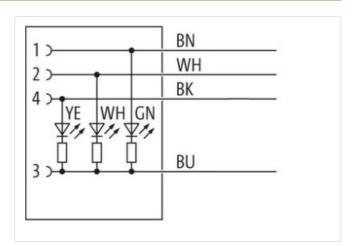
Plastic housings with good resistance against chemicals and oils.

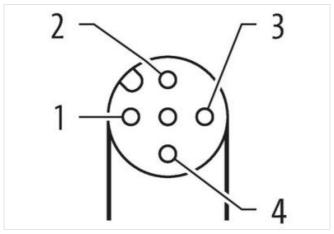
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

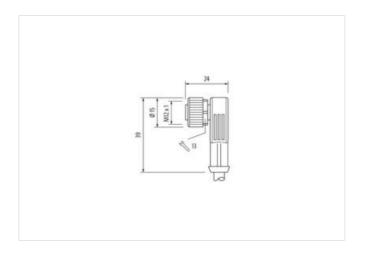
Link to Product

Illustration









Product may differ from Image













stay connected

Mounting method Inserted, screwed Thread M12 x 1 Thread M12 x 1 suitable for corrugated tube (internal 0) 10 mm Coding A Meterial PUR With across fists SW13 Degree of protection (EN IEC 60529) IP65, IP60K, IP67 Commercial date ECLASS-6.1 27279218 ECLASS-6.2 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27080311 ECLASS-9.0 27080311 ECLASS-9.0 27080311 ECLASS-1.1 27090311 ECLASS-1.2.0 27090311 ETIM-5.0 26001855 customs suff number 8544230 GTIN 404837920974 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC ms. 30 V Operating voltage DC ms. 30 V Current operating voltage DC ms. 30 V Operating voltage DC ms. M12 x	Cable length	10 m	
Mounting method meanted, sorewed	Side 1		
Family construction form M12 Thread M12 x 1 Midel and M12 x 1 M12 x 1 Midel and M12 x 1 M12 x 1	Tightening torque	0,6 Nm	
Thread	Mounting method	inserted, screwed	
suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Widh across flats SW13 Degree of protection (EN EC 68529) PP65, P965, P977 Commercial data 27279218 ECLASS-8.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 2779218 ECLASS-8.0 27796311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-11.2 27060311 ECLASS-12.0 27060311 ECLASS-13.1 2806311 ECLASS-14.0 27060311 ECLASS-19.1 20060311 ECLASS-19.1 27060311 ECLASS-19.1 200704831 ECLASS-19.1 200704831 ECLASS-19.1 200704831 ECLASS-19.1 4048270 EDITOR 4048270 CIN 4048270 ETIM-5.0 40 Operating voltage DC max. 30 Y Operating voltage DC max. 4 A	Family construction form	M12	
Coding A Material PUR Width aross flats SW13 Degree of protection (EN IEC 60529) IPES, IPEBK, IPE7 Commercial data Commercial data ECILASS-6.0 27279218 ECILASS-6.1 27279218 ECILASS-8.0 27279218 ECILASS-9.0 27060311 ECILASS-9.1 27060311 ECILASS-1.1 27060311 ECILASS-1.2.0 270706311 <th colspan<="" td=""><td>Thread</td><td>M12 x 1</td></th>	<td>Thread</td> <td>M12 x 1</td>	Thread	M12 x 1
Material PUR Width across flats SW13 Degree of protection (EN EC 60529) IP65, P68K, IP67 Commercial data PECALASS 6.0 27279218 ECLASS 6.1 27279218 PECALASS 6.0 27279218 ECLASS 7.0 27279218 PECALASS 7.0 PECALASS 7.0 ECLASS 9.0 27060311 PECALASS 9.0 PECALASS 9.0 ECLASS 9.1 27060311 PECALASS 9.0 PECALASS 9.0 ECLASS 9.1 27060311 PECALASS 9.0 PECALASS 9.0 ECLASS 9.1 27060311 PECALASS 9.0 PECALASS 9.0 ECLASS 9.0 27060311 PECALASS 9.0 PECALASS 9.0 ECLASS 9.1 27060311 PECALASS 9.0	suitable for corrugated tube (internal Ø)	10 mm	
Width across fields SW13 Degree of protection (ENIEC 60529) PBS, PF6K, IP67 Commercial data PBS, PF6K, IP67 ECILASS-6.0 27279218 ECILASS-6.1 27279218 ECILASS-7.0 27279218 ECILASS-8.0 277660311 ECILASS-1.1 270660311 ECILASS-1.1 27060311 ECILASS-1.1 27060311 ECILASS-1.2.0 2003031 ETIM-5.0 EC001855 Customs staff number 85444290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC man. 18 V Operating voltage DC man. 30 V Operating voltage DC max. (U.Listod) 30 V Operating voltage DC max. (U.Listod) 30 V Operating voltage DC max. (U.Listod) 30 V Operating voltage of Creams. 4 A Diagnostics Status indication LED green, white, yellow Installation Connection More table of the	Coding	A	
Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial date ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27000311 ECLASS-9.1 27000311 ECLASS-1.1 27000311 ECLASS-1.2.0 27000311 ECLASS-1.0.1 EC01855 COLASS-1.0.1 EC01855 COLASS-1.0.1 404879003074 ECLASS-1.0.1 4048879203074 EVENDRY V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Displance SC Status indication LED green, white, yellow Installation Connection Mix 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree	Material	PUR	
Commercial data ECLASS 6.0 27279218 ECLASS 6.1 27279218 ECLASS 7.0 27279218 ECLASS 8.0 27279218 ECLASS 9.0 27600311 ECLASS 9.0 27600311 ECLASS 9.1.1 27000311 ECLASS 9.2 27600311 ECLASS 9.0 2760031 ECLASS 9.0 2760031 Electrical 9.0 24 V Operating voltage DC max. 30 V Current operating per contact max. 4 A	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-1.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-10.0 ECOMBSS customs staff number 8544280 GTIN 4048879203074 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 Status indication LED green, white, yellow Installation Connection Working set Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Follution Degree 3.8 V Additional condition protection degree inserted, screwed Coating toking Nickel	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27080311 ECLASS-9.0 27080311 ECLASS-10.1 27080311 ECLASS-11.1 27080311 ECLASS-12.0 27080311 ECLASS-12.0 27080311 ETIM-5.0 EC001855 Customs tarff number 8544290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply Operating voltage DC mix 1 Pecetrical yoltage DC mix 30 V Operating voltage DC max. (U-isted) 30 V Operating voltage DC max. (U-isted) 30 V Operating yoltage DC max. (U-isted) 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 <t< td=""><td>Commercial data</td><td></td></t<>	Commercial data		
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 2709311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO01855 oustoms tariff number 85444290 GTIN 4048879203074 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 Current operating per contact max. 4 A Diagnostics V Installation Connection M12 x 1 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 60684-1) I Mechanical data Material data Cocting click-asting Mechanical data Material data Zinc dic-asting	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 ECO01855 customs tariff number 8544290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply Operating voltage DC Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 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 50664-1) i Mechanical data Material data Coating of litting nic	ECLASS-6.1	27279218	
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply 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 M12 x 1 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 80684-1) 1 Mechanical data Material data Conciling of fitting Coating of fitting nickel plated	ECLASS-7.0	27279218	
ECLASS-10.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203074 Packaging unit 1 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 Operating per contact max. 4 A Diagnostics Status indication LED Installation Connection Mult x 1 Device protection Electrical Additional condition protection degree Mounting set Mit x 1 Device protection Electrical Additional condition protection degree Pollution Degree 3 Rated surge voltage 0.8 kV Material group (IEC 60664-1) I Mechanical data Material data Zinc die-casting Material sorew connection Zinc die-casting Methalical data Munting data Xinc die-casting <tr< td=""><td>ECLASS-8.0</td><td>27279218</td></tr<>	ECLASS-8.0	27279218	
ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply Feetrical data Supply Operating voltage DC 24 V 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 Pollution Degree 3 Attention group (IEC 60664-1) 1 Mechanical data Material data Coating of litting nickel plated Locking material Zinc die-casting Mechanical data Mounting data <td>ECLASS-9.0</td> <td>27060311</td>	ECLASS-9.0	27060311	
ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply Use Protected of Protect	ECLASS-10.1	27060311	
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879203074 Packaging unit 1 Electrical data Supply V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A 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 V Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mechanical data Mounting data			



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