

M12 female 90° A-cod. with cable LED

PUR 5x0.34 gy UL/CSA 50m

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

Female 90° M12, 5-pole 3× LED (PNP)

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

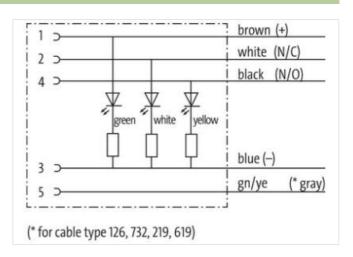
Plastic housings with good resistance against chemicals and oils.

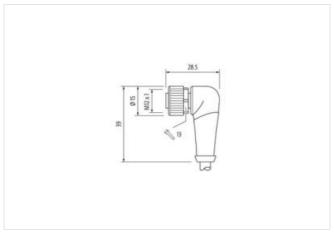
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

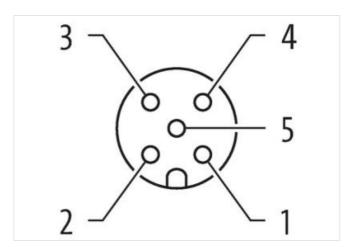
Link to Product

Illustration









Product may differ from Image













stay connected

Tightening torque	Cable length	50 m
Mounting method Insented, screwed	Side 1	
Family construction form	Tightening torque	0,6 Nm
Treed	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUB Width across flats SVH3 Degree of protection (EN IEC 66529) 1P65, IP66K, IP67 Commercial date ECLASS-6.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.0 27060311 ECLASS-1.2.0 27060311 ECLASS-	Family construction form	M12
Coding	Thread	M12 x 1
Material PUR With across flats SW13	suitable for corrugated tube (internal Ø)	10 mm
Worth across flats	Coding	A
Degree of protection (EN IEC 80529) IP65, IP66K, IP67	Material	PUR
COLASS-6.0 27279218	Width across flats	SW13
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 12060311 ECLASS-12.0 1206031 ECLAS-12.0 1206031 ECLAS-12.0 1206031 ECLAS-12.0 1206031 ECLAS-12.0 1	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 6.1 27279218 ECLASS 7-0 27279218 ECLASS 8.0 27279218 ECLASS 8.0 27060311 ECLASS 9.0 28 V Operating voltage DC 9.0 24 V Operating voltage DC 9.0 24 V Operating voltage DC 9.0 30 V Installation Connection M12 X 1 Device prote	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27779218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.2 27060311 ECLASS-12.0 27060311 ETM-5.0 EC01855 customs tariff number 85444290 GTN 4048879317009 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. 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 Pevice protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surgo voltage 0.8 kV Material gooking Nickeled Coating of fitting nickel plated </td <td>ECLASS-6.0</td> <td>27279218</td>	ECLASS-6.0	27279218
ECLASS 8.0 27279218 ECLASS 9.0 27660311 ECLASS 10.1 27660311 ECLASS 11.1 27660311 ECLASS 12.0 27660311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879317009 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. 30 V Operating per contact max. 4 A Diagnostics Status indication LED Status indication I Connection Mult x 1 Device protection Electrical Additional condition protection degree 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 Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mountin	ECLASS-6.1	27279218
ECLASS-9.0 27660311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 8544290 GTIN 4048879317009 Packaging unit 1 Electrical data Supply 1 Operating voltage DC 24 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 Diagnostics Status indication LED Status indication LED green, white, yellow Installation Connection W1 x 1 Device protection Electrical Additional condition protection degree Additional condition protection degree inserted, screwed Politation Degree 3 Rated surge voltage 0.8 kV Material group (IEC 60664-1) 1 Mechanical data Material data Zinc die-casting Material grow connection Zinc die-casting Me	ECLASS-7.0	27279218
ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 404887317009 Packaging unit 1 Electrical data Supply Operating voltage DC Operating voltage DC min. 18 V Operating voltage DC max. 30 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 Installation Connection Mounting mere voltage 0,8 kV Material group (IEC 60664-1) 1 Mechanical data Material data Coating locking Nickeled Coating locking Nickeled Coating o	ECLASS-8.0	27279218
ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048873317009 Packaging unit 1 Electrical data Supply Operating voltage DC Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED 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 locking Nickeled Coating locking nickel plated Locking material Zinc die-casting Material screw connection Zinc die-	ECLASS-9.0	27060311
ECIASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879317009 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 meteotion degree miserted, screwed Pollution Degree 3 Reter of social protection degree 3 Reter of social protection degree 3 Reter of social pr	ECLASS-10.1	27060311
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879317009 Packaging unit 1	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879317009 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 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 Mare and Supplementation of the surge of the surge voltage of this plated Coating locking Nickeled Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C	ECLASS-12.0	27060311
Packaging unit 1 1 2 2 4 4 4 4 4 4 4 4	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 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 Pollution Degree 3 Rated surge voltage 9 0,8 kV Material group (IEC 60664-1) 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 Operating temperature min25 °C	customs tariff number	85444290
Comment Comm	GTIN	4048879317009
Operating voltage DC	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 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	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 locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °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 locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C		18 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 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		30 V
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 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 voltage DC max. (UL-listed)	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	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 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	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	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	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	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		
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		
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		
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	-	
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		
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		1
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	Mechanical data Material data	
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		Nickeled
Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C		· · · · · · · · · · · · · · · · · · ·
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C	Material screw connection	Zinc die-casting
Environmental characteristics Climatic Operating temperature min25 °C	Mechanical data Mounting data	
Operating temperature min25 °C	Mounting method	inserted, screwed, Shaking protection
	Environmental characteristics Climatic	
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C
Additional condition temperature range depending on cable quality	Additional condition temperature range	depending on cable quality



stay connected

Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Cable	
Cable identification	225
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	54,78 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)	5× 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, gnye longitudinally striped
Stranding combination	5 wires twisted around central filler
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)	5.0 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