

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

PUR 3x0.34 ye UL/CSA 0.3m

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

Male 90° - female 90° M12 - M12, 3-pole bridged

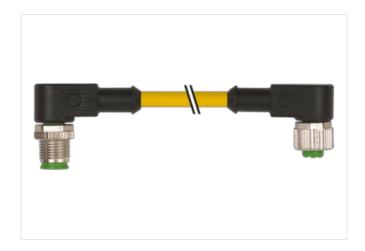
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

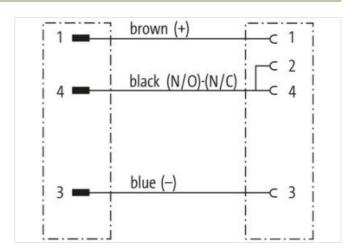
Plastic housings with good resistance against chemicals and oils.

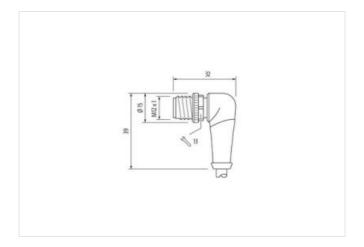
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

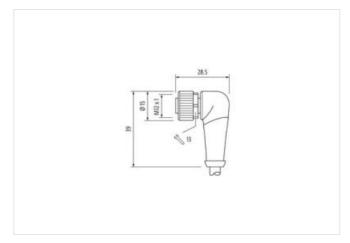
## **Link to Product**

## Illustration

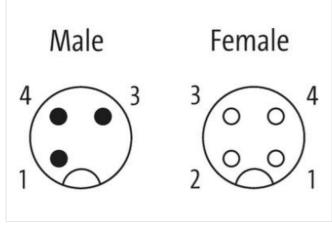












Product may differ from Image













rightening torque         0.6 Nm           flounting method         inserted, screwed           flounting method         inserted, screwed           armity construction form         M12 x 1           uitable for corrugated tube (internal Ø)         10 mm           odding         A           staterial         PUR           Width across flats         SW13           begree of protection (EN IEC 60529)         IP66K, IP67           Side 2         IP66K, IP67           Side 2         Inserted, screwed           insplication form         M12           fread         M12 x 1           thread         M12 x 1           uitable for corrugated tube (internal Ø)         10 mm           odding         A           Adaterial         PUR           vidit across flats         SW13           begree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         PUR           CCLASS-6.0         27061801           ustoms tariff number         8544290           ackaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V	Cable length	0,3 m
founting method inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted inserted, screwed inserted inser	Side 1	
Marrian   M12	Tightening torque	0,6 Nm
In read M12 x 1  uitable for corrugated tube (internal Ø) 10 mm  Adaterial PUR  Victih across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed family construction form M12  Thread M12 x 1  uitable for corrugated tube (internal Ø) 10 mm  Doding A  Adaterial PUR  Victih across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Decrating voltage AC max. 250 V  Deperating voltage AC (UL-listed) 30 V  Decrating voltage DC (UL-listed) 30 V	Mounting method	inserted, screwed
builtable for corrugated tube (internal Ø)         10 mm           boding         A           Alaterial         PUR           Vidth across flats         SW13           begree of protection (EN IEC 60529)         IP66K, IP67           Side 2         Fread           Injustry on the formal of inserted, screwed         Injustry on the formal of inserted, screwed           Fread         M12           Fread         M12 x 1           Uitable for corrugated tube (internal Ø)         10 mm           Odding         A           Alaterial         PUR           Vidth across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         ECLASS-6.0           SCASS-6.0         27061801           sustoms tariff number         85444290           beckraig unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC max.         4 A	Family construction form	M12
Adaterial PUR  Adaterial PUR  Victh across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Sigle 2  Sigle in the state of	Thread	M12 x 1
Autorial   PUR   Width across flats   SW13   P66K, IP67	suitable for corrugated tube (internal Ø)	10 mm
Vidith across flats SW13 Pegree of protection (EN IEC 60529) IP66K, IP67  Side 2  Tightening torque 0,6 Nm Anounting method inserted, screwed family construction form M12 x 1  Viditable for corrugated tube (internal Ø) 10 mm  Pooling A  Material PUR  Vidith across flats SW13  Pegree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC max. 4A  Electrical government operating per contact max. 4A	Coding	A
Pegree of protection (EN IEC 60529)  IP66K, IP67  Side 2  Ightening torque  O,6 Nm  Mounting method  Inserted, screwed  Image: A control of the miles of the mile	Material	PUR
Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed  Tightening torpue M12 M12  Thread M12 x 1  Uitable for corrugated tube (internal Ø) 10 mm  Motoring A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CICLASS-6.0 27061801  Sustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deparating voltage AC max. 250 V  Deparating voltage AC (UL-listed) 30 V  Deparating voltage AC (UL-listed) 30 V  Deparating voltage DC (UL-listed) 30 V	Width across flats	SW13
Inghtening torque 0,6 Nm  Mounting method inserted, screwed  Institute on the control of the con	Degree of protection (EN IEC 60529)	IP66K, IP67
According method inserted, screwed  family construction form M12  Thread M12 x 1  uitable for corrugated tube (internal Ø) 10 mm  Adaterial PUR  Vidth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  ECLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deparating voltage AC max. 250 V  Deparating voltage AC max. 250 V  Deparating voltage AC (UL-listed) 30 V  ACCORDING SCREET	Side 2	
family construction form M12  Thread M12 x 1  Uitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Vidth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  Uustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deparating voltage AC max. 250 V  Deparating voltage AC (UL-listed) 30 V  Deparating voltage DC (UL-listed) 30 V  Deparating voltage DC (UL-listed) 30 V  Deparating voltage DC (UL-listed) 30 V  Deparating per contact max. 4 A	Tightening torque	0,6 Nm
Inhead M12 x 1  uitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Vidth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage DC max. 250 V  Operating voltage AC (UL-listed) 30 V  Courrent operating per contact max. 4 A	Mounting method	inserted, screwed
uitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Vidth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage DC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Courrent operating per contact max. 4 A	Family construction form	M12
A Material PUR Vidth across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data CCLASS-6.0 27061801 Ustoms tariff number 85444290 Decating voltage AC max. 250 V Deperating voltage AC (UL-listed) 30 V Deperating voltage DC (UL-listed) 4 A	Thread	M12 x 1
Atterial PUR  Vidth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deperating voltage AC max. 250 V  Deperating voltage AC (UL-listed) 30 V  Deperating voltage DC (UL-listed) 30 V  Current operating per contact max. 4 A	suitable for corrugated tube (internal Ø)	10 mm
Width across flats Degree of protection (EN IEC 60529) Degree of p	Coding	A
Degree of protection (EN IEC 60529)  IP66K, IP67  Commercial data  CCLASS-6.0  27061801  ustoms tariff number  85444290  Packaging unit  I  Electrical data   Supply  Operating voltage AC max.  250 V  Operating voltage DC max.  Operating voltage AC (UL-listed)  Operating voltage DC (UL-listed)  Operating voltage DC (UL-listed)  Operating voltage DC (UL-listed)  Operating per contact max.  4 A	Material	
Commercial data  CCLASS-6.0 27061801  ustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage DC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 4 A	Width across flats	SW13
27061801 ustoms tariff number 85444290 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4 A	Degree of protection (EN IEC 60529)	IP66K, IP67
ustoms tariff number 85444290 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4 A	Commercial data	
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage DC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 4 A	ECLASS-6.0	27061801
Deperating voltage AC max. 250 V Deperating voltage DC max. 250 V Deperating voltage AC (UL-listed) 30 V Deperating voltage DC (UL-listed) 30 V Deperating voltage DC (UL-listed) 30 V Deperating voltage DC (UL-listed) 4 A	customs tariff number	85444290
Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4 A	Packaging unit	1
Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A	Electrical data   Supply	
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A	Operating voltage AC max.	250 V
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A	Operating voltage DC max.	250 V
Current operating per contact max. 4 A	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V
Installation   Connection	Current operating per contact max.	4 A
	Installation   Connection	



Mounting set M12 x 1

Mounting set	M12 X T
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	<u> </u>
Mechanical data   Material data	
	AP-d-st-al
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material  Material screw connection	Zinc die-casting Zinc die-casting
	Ziric 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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Cable	
Cable identification	023
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 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)	3× 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
Stranding combination	3 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)	4.3 mm ±5%
Color jacket	yellow
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<sup>2</sup>