

M12 male 90° / M12 female 90° A-cod.

PUR 3x0.34 bk UL/CSA+robot+drag ch. 0.3m

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.

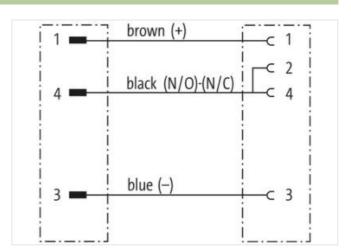
The resistance to aggressive media should be individually tested for your application. Further details on request.

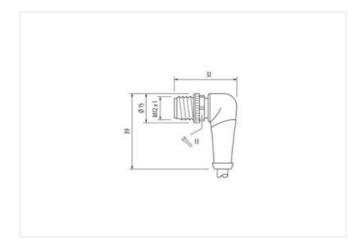
Further cable lengths on request.

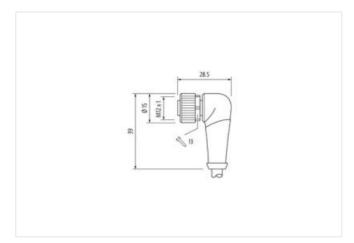
Link to Product

Illustration

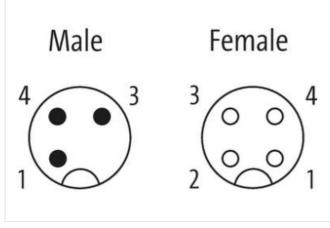


























rightening torque 0.6 Nm flounting method inserted, screwed flounting method inserted, screwed armity construction form M12 x 1 uitable for corrugated tube (internal Ø) 10 mm bodding A staterial PUR Width across flats SW13 begree of protection (EN IEC 60529) IP66K, IP67 Side 2 IP66K, IP67 Side 2 Inserted, screwed insplication form M12 hread M12 x 1 uitable for corrugated tube (internal Ø) 10 mm boding A daterial PUR vidith across flats SW13 begree of protection (EN IEC 60529) IP66K, IP67 Commercial data PUR CLASS-6.0 27061801 usions suffit number 85444290 ackaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage DC 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 ACCORDIN	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 AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current 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

Additional condition protoction decree	incorted serowed
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	safe-cover coated
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
Additional condition temperature range	depending on cable quality
	oopenang 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)
Installation Cable	
Cable identification	653
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Traversing distance (C-track)	5 m @ 25 °C horizontal
Cable weigth	29,7 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A



Electrical resistance line constant wire	60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min