

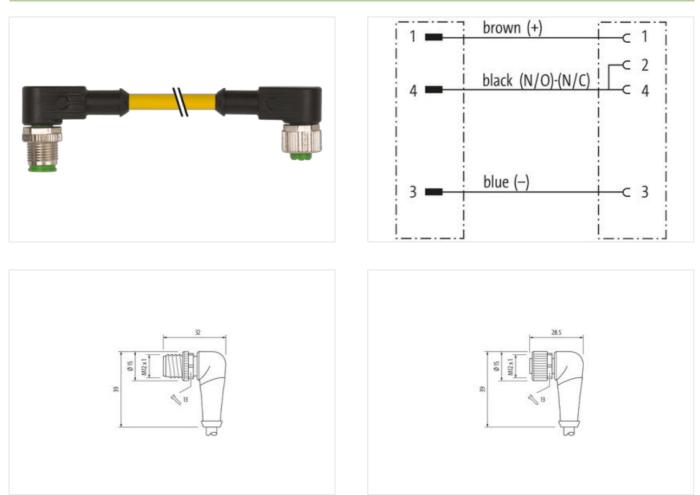
## M12 male 90° / M12 female 90° A-cod.

PUR 3x0.34 ye UL/CSA+drag ch. 1.5m

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.

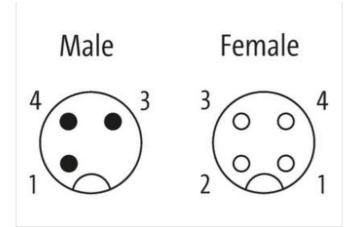
## Link to Product





The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25





Product may differ from Image



Side 1         Contingmethod           ghtening torque         0.6 Nm           ounting method         inserted, screwed           amily construction form         M12           mead         M12 x 1           aitable for corrugated tube (internal Ø)         10 mm           oding         A           aterial         PUR           fidh across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           Side 2            ghtening torque         0.6 Nm           ounting method         inserted, screwed           antiy construction form         M12           mead         M12 x 1           itable for corrugated tube (internal Ø)         10 mm           ounting method         inserted, screwed           antiy construction form         M12           mead         M12 x 1           titable for corrugated tube (internal Ø)         10 mm           coling         A           aterial         PUR           fidth across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           commercial data         EVEN           cotasclast         SVW13		
ghtening torque         0.6 Nm           ounting method         inserted, screwed           amily construction form         M12           nread         M12 x 1           itable for corrugated tube (internal Ø)         10 mm           oding         A           aterial         PUR           ridt across flats         SW13           segree of protection (EN IEC 60529)         IP66K, IP67           Side 2            ghtening torque         0,6 Nm           ounting method         inserted, screwed           amily construction form         M12 x           mily construction form         M12 x           read         M12 x           state ia         NM12           read         M12 x           aterial         PUR           state for corrugated tube (internal Ø)         10 mm           ounting method         inserted, screwed           amily construction form         M12 x           read         M12 x           state ial torourgated tube (internal Ø)         10 mm           coding         A           state is corrugated tube (internal Ø)         10 mm           coding         A           state is cor	Cable length	1,5 m
outing method         inserted, screwed           amily construction form         M12           wread         M12 x 1           aitable for corrugated tube (internal Ø)         10 mm           oding         A           aterial         PUR           fifth across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           side 2	Side 1	
mily construction form         M12           mread         M12 x 1           iitable for corrugated tube (internal Ø)         10 mm           oding         A           aterial         PUR           fidth across flats         SW13           sgree of protection (EN IEC 60529)         IP66K, IP67           side 2            ghtening torque         0,6 Nm           outring method         inserted, screwed           amily construction form         M12           tread         M12 x 1           atiable for corrugated tube (internal Ø)         10 mm           oding         A           aterial         PUR           fidth across flats         SW13           oding         A           aterial         PUR           fidth across flats         SW13           ogree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         SW13           CLASS-6.0         27061801           storms flatf number         85444290           ackaging unit         1           cletrical data  Supply            parating voltage AC (UL-listed)         30 V           parating voltage AC (UL-listed)<	Tightening torque	0,6 Nm
Intead         M12 x 1           uitable for corrugated tube (internal Ø)         10 mm           oding         A           atarial         PUR           fidth across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           side 2	Mounting method	inserted, screwed
number         10 mm           oding         A           aterial         PUR           ifdth across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           side 2	Family construction form	M12
AddingAaterialPURfidth acoss flatsSW13egree of protection (EN IEC 60529)IP66K, IP67side 2	Thread	M12 x 1
aterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67side 2	suitable for corrugated tube (internal Ø)	10 mm
Tidth across flats         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           Side 2	Coding	A
agree of protection (EN IEC 60529)         IP66K, IP67           side 2         step           ghtening torque         0.6 Nm           ounting method         inserted, screwed           amily construction form         M12           nread         M12 x 1           itable for corrugated tube (internal Ø)         10 mm           odding         A           aterial         PUR           read         SW13           egree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         CLASS-6.0         27061801           Storm striff number         85444290           ackaging unit         1           Electrical data   Supply         250 V           perating voltage AC max.         250 V           perating voltage AC (UL-listed)         30 V           perating voltage AC (UL-listed)         30 V           perating voltage DC (UL-listed)         30 V	Material	PUR
Side 2       0,6 Nm         ounting method       inserted, screwed         amily construction form       M12         mile construction form       M12 n         atable for corrugated tube (internal Ø)       10 mm         oding       A         aterial       PUR         fidth across flats       SW13         egree of protection (EN IEC 60529)       IP66K, IP67         Commercial data       Zonf1801         ustoms tariff number       85444290         ackaging unit       1         Electrical data   Supply       Electrical data   Supply         perating voltage AC max.       250 V         perating voltage AC (UL-listed)       30 V         perating voltage AC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V	Width across flats	SW13
ghtening torque0,6 Nmounting methodinserted, screwedamily construction formM12hreadM12 x 1itable for corrugated tube (internal Ø)10 mmodingAaterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial data27061801LCLASS-6.027061801ustoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage AC max.250 Vperating voltage AC (UL-listed)30 Vurrent operating per contact max.4 A	Degree of protection (EN IEC 60529)	IP66K, IP67
ounting methodinserted, screwedamily construction formM12hreadM12 x 1itable for corrugated tube (internal Ø)10 mmodingAaterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial data27061801LCLASS-6.027061801ustoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage AC (UL-listed)30 Vurrent operating per contact max.4 A	Side 2	
amily construction formM12hreadM12 x 1itable for corrugated tube (internal Ø)10 mmodingAaterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial dataCLASS-6.027061801istoms tariff number85444290ackaging unit1Electrical data   SupplyPerating voltage AC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage AC (UL-listed)30 Vperating voltage AC (UL-listed)30 Vperating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 V	Tightening torque	0,6 Nm
M12 x 1         uitable for corrugated tube (internal Ø)       10 mm         oding       A         aterial       PUR         fidth across flats       SW13         egree of protection (EN IEC 60529)       IP66K, IP67         commercial data       27061801         cLASS-6.0       27061801         ustoms tariff number       85444290         ackaging unit       1         Electrical data   Supply       1         perating voltage AC max.       250 V         perating voltage AC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         urrent operating per contact max.       4 A	Mounting method	inserted, screwed
Jitable for corrugated tube (internal Ø)10 mmodingAaterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial data27061801CLASS-6.027061801ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Family construction form	M12
odingAaterialPURifdth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial dataCLASS-6.027061801JS5444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage DC max.250 Vperating voltage DC (UL-listed)30 V	Thread	M12 x 1
aterialPURfidth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial data27061801CLASS-6.027061801ustoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	suitable for corrugated tube (internal Ø)	10 mm
idth across flatsSW13egree of protection (EN IEC 60529)IP66K, IP67Commercial dataCLASS-6.027061801Istoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vperating voltage PC (UL-listed)30 Vperating per contact max.4 A	Coding	A
egree of protection (EN IEC 60529) IP66K, IP67 Commercial data CLASS-6.0 27061801 astoms tariff number 85444290 ackaging unit 1 CLECTRICAL data   Supply perating voltage AC max. 250 V perating voltage DC max. 250 V perating voltage AC (UL-listed) 30 V perating voltage DC (UL-listed) 30 V urrent operating per contact max. 4 A	Material	PUR
Commercial dataCLASS-6.027061801Jstoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Width across flats	SW13
CLASS-6.027061801ustoms tariff number85444290ackaging unit1Electrical data   Supplyperating voltage AC max.250 Vperating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Degree of protection (EN IEC 60529)	IP66K, IP67
ustoms tariff number       85444290         ackaging unit       1         Electrical data   Supply       250 V         perating voltage AC max.       250 V         perating voltage AC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         urrent operating per contact max.       4 A	Commercial data	
ackaging unit       1         Electrical data   Supply         perating voltage AC max.       250 V         perating voltage DC max.       250 V         perating voltage AC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         urrent operating per contact max.       4 A	ECLASS-6.0	27061801
Electrical data   Supply         perating voltage AC max.       250 V         perating voltage DC max.       250 V         perating voltage AC (UL-listed)       30 V         perating voltage DC (UL-listed)       30 V         urrent operating per contact max.       4 A	customs tariff number	85444290
perating voltage AC max.250 Vperating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vuurrent operating per contact max.4 A	Packaging unit	1
perating voltage DC max.250 Vperating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Electrical data   Supply	
perating voltage AC (UL-listed)30 Vperating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Operating voltage AC max.	250 V
perating voltage DC (UL-listed)30 Vurrent operating per contact max.4 A	Operating voltage DC max.	250 V
urrent operating per contact max. 4 A	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V
	Current operating per contact max.	4 A
nstallation   Connection	Installation   Connection	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25



Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
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
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	033
Cable Type	3
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	29,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 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	70 ± 5 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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25



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
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25