

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

PUR 12x0.14 bk UL/CSA+drag ch. 1.5m

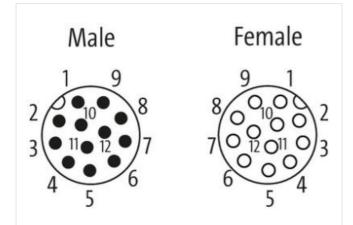
Male 90° – female 90° M12 – M12, 12-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

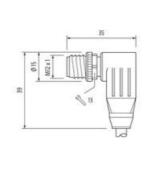
## Link to Product





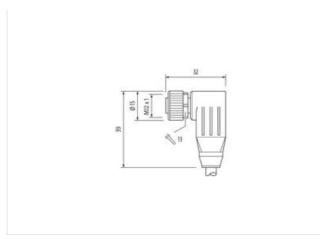
1 -	? brown !	
2 -	blue	2
3 -	i white i	—c 3
4 -	green	
5 -	pink j	
6 💻	yellow !	—c 6
7 💻	black	—c 7
8 -	i gray i	—c 8
9 💻	red	—c 9
10 -	i violet i	C 10
11 -	gray/pink	—c 11
12 -	red/blue	—c 12





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: 2024-05-02





Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	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	4048879558457
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
mation in this Braduat BDE has been compiled with	the university of the second second

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: 2024-05-02



Additional condition protection degree       inservent         Pollution Degree       3         Rated surge voltage       0,8         Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking         Coating locking       Nick         Locking material       Zind         Mechanical data   Mounting data       Mounting method         Mounting method       inservent         Important installation notes       Note on strain relief         Note on bending radius       Attract end         Conformity       Product standard         Product standard       DIN         Installation   Cable       Cuble identification         Cable identification       705         Jacket Color       black         Type of Certificate       cuF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	5 A 56K 56K 56K 56K 56K 56K 56K 56K
Degree of protection (ISO 20653:2013)IP60Additional condition protection degreeinsePollution Degree3Rated surge voltage0,8Material group (IEC 60664-1)IIMechanical data   Material dataCoating lockingNickLocking materialZinceMechanical data   Mounting dataMounting methodinseImportant installation notesNote on strain reliefProNote on bending radiusAtteCoable identification705Jacket ColorblacType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	serted, screwed  kV  ckeled  c
Additional condition protection degree       inse         Pollution Degree       3         Rated surge voltage       0,8         Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking         Coating locking       Nick         Locking material       Zind         Mechanical data   Mounting data       Mounting method         Mounting method       inse         Important installation notes       Note on strain relief         Note on bending radius       Atte end         Conformity       Product standard         DIN       Installation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	serted, screwed  kV  ckeled  c
Additional condition protection degree       inse         Pollution Degree       3         Rated surge voltage       0,8         Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking         Coating locking       Nick         Locking material       Zind         Mechanical data   Mounting data       Mounting method         Mounting method       inse         Important installation notes       Note on strain relief         Note on bending radius       Atte end         Conformity       Product standard         DIN       Installation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	serted, screwed  kV  ckeled  c
Pollution Degree       3         Rated surge voltage       0,8         Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking         Coating locking       Nicl         Locking material       Zind         Mechanical data   Mounting data       Mounting material         Mechanical data   Mounting data       Insection         Mounting method       insection         Important installation notes       Note on strain relief         Note on bending radius       Atted end         Conformity       Product standard         DIN       Installation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w	3 kV ckeled nc die-casting serted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Rated surge voltage       0,8         Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking         Coating locking material       Zind         Mechanical data   Mounting data       Mounting material         Mechanical data   Mounting data       Insection         Mechanical data   Mounting data       Mounting method         Mounting method       insection         Important installation notes       Note on strain relief         Note on bending radius       Atterned         Conformity       Product standard         DIN       Installation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w	ckeled In die-casting Serted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. <b>tention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Material group (IEC 60664-1)       II         Mechanical data   Material data       Coating locking       Nick         Locking material       Zind         Mechanical data   Mounting data       Mounting material       Zind         Mechanical data   Mounting data       Mounting method       inset         Mounting method       inset       Important installation notes       Note on strain relief       Pro         Note on bending radius       Attrained       Conformity       Product standard       DIN         Installation   Cable       Cable identification       705       Jacket Color       blac         Type of Certificate       cUF       Amount stranding       1       Stranding       3 w         Amount stranding (type 2)       1       1       1       1	erted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Mechanical data   Material data         Coating locking       Nicl         Locking material       Zind         Mechanical data   Mounting data       Important installation notes         Mounting method       insection         Important installation notes       Pro         Note on strain relief       Pro         Note on bending radius       Attracted and the red         Conformity       Product standard         DIN       Installation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	erted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Locking material       Zind         Mechanical data   Mounting data       Mounting method         Mounting method       inset         Important installation notes       Note on strain relief         Note on bending radius       Attern of the strain of the	erted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Locking material       Zind         Mechanical data   Mounting data       Mounting method         Mounting method       inse         Important installation notes       Important installation notes         Note on strain relief       Pro         Note on bending radius       Attrained         Conformity       Product standard         Product standard       DIN         Installation   Cable       Cable identification         Cable identificate       CUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	eerted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Mechanical data   Mounting data         Mounting method       inse         Important installation notes         Note on strain relief       Pro         Note on bending radius       Attraction         Conformity       Product standard         Product standard       DIN         Installation   Cable       Cable identification         Cable identificate       cUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	eerted, screwed, Shaking protection otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Mounting method       inset         Important installation notes       Important installation notes         Note on strain relief       Pro         Note on bending radius       Attagend         Conformity       Imstallation   Cable         Cable identification       705         Jacket Color       blac         Type of Certificate       cUF         Amount stranding       1         Stranding       3 w	otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Important installation notes         Note on strain relief       Pro         Note on bending radius       Attage         Conformity       Product standard         Product standard       DIN         Installation   Cable       Cable identification         Cable identificate       CUF         Type of Certificate       CUF         Amount stranding       1         Stranding       3 w         Amount stranding (type 2)       1	otect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Note on strain reliefProNote on bending radiusAtta endConformityInstallation   CableProduct standardDINInstallation   CableZable identificationCable identification705Jacket ColorblackType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Note on bending radiusAtte endConformityProduct standardInstallation   CableCable identificationCable identificationJacket ColorblacType of CertificateCUFAmount stranding1Stranding3 wAmount stranding (type 2)1	tention: Observe the permissible bending radii when laying cables, as the IP protection class can be dangered by excessive bending forces.
Rote on bending radius     end       Conformity     Installation   Cable       Cable identification     705       Jacket Color     blac       Type of Certificate     cUF       Amount stranding     1       Stranding     3 w       Amount stranding (type 2)     1	dangered by excessive bending forces.
Product standardDINInstallation   CableCable identification705Jacket ColorblacType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	N EN 61076-2-101 (M12)
Installation   CableCable identification705Jacket ColorblacketType of CertificateCUFAmount stranding1Stranding3 wAmount stranding (type 2)1	N EN 61076-2-101 (M12)
Cable identification705Jacket ColorblackType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	
Jacket ColorblackType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	
Jacket ColorblackType of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	5
Type of CertificatecUFAmount stranding1Stranding3 wAmount stranding (type 2)1	
Amount stranding1Stranding3 wAmount stranding (type 2)1	
Stranding3 wAmount stranding (type 2)1	
Amount stranding (type 2) 1	vires twisted
	vires around Stranding combination counter-rotating twisted
Banding Flee	
8	ay-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)
	,1 g/m
Material jacket PUI	-
	± 5 Shore A
-	ad-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) 6 m	
Tolerance outer diameter (sheath) ± 5	
Material wire insulation PP	
Amount wires 12	
Outer diameter insulation 1 m	
Outer diameter tolerance core insulation ±5	
	± 3 Shore D
	ad-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire) 18	-
	I mm
	14 mm <sup>2</sup>
· · · · ·	randed copper wire, bare
Conductor type (wire) stra	and class 6
Traversing distance (C-track) 5 m	n @ 25 °C
Nominal voltage AC max. 300	
	DIN VDE 0298-4
Current load capacity min. wire 2 A	A
AC withstand voltage (wire - wire) 1,5	8 Ω/km @ 20 °C

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: 2024-05-02



Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	85 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	85 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
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: 2024-05-02