

stay connected

M12 female 0° A-cod. with cable

PUR 12x0.14 bk UL/CSA+drag ch. 22m

Female straight

M12, 12-pole

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

with cable sleeves

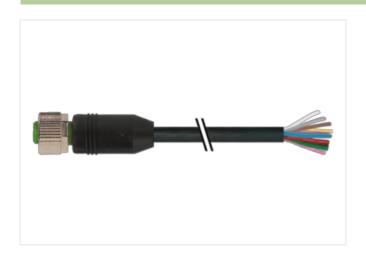
Plastic housings with good resistance against chemicals and oils.

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

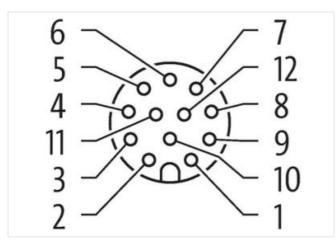
Further cable lengths on request.

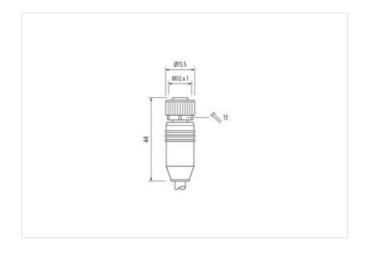
Link to Product

Illustration



BN	
BU	
l WH	
GN	
l PK	
YE	
l BK	
l GY	
l RD	
l VT	
I GY PK	
RD BU	





Product may differ from Image











Cable length

22 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-20



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Mounting method	inserted, screwed
Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4065909057780
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
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	1,5 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	
Contour for corrugated hose	without
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
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)

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Cable Identification 705 Jacket Color black Jacket Color black Amount stranding 1 Stranding 3 wires wristed Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Banding Fleece will a strangement gray-pink, vollet, med-blue, (strown, red., gray, black, yellow, pink, green, white, blue) Cabbe weight 45.1 g/m Material jacket PUR Shore handness jacket 92 ± 5 Shore A Freedown from ingediates (gaket) 6 mm Tolerance outer distancer (gaket) 6 mm Tolerance outer distancer (strath) ± 5 % Material wrive insulation 1 mm Outer distancer insulation 1 mm Outer distancer insulation 1 mm Impredient freshess wire insulation 7 ± 3 Shore D Impredient freshess wire insulation 7 ± 3 Shore D Impredient freshess wire insulation 1 mm Conductor type (wire) 1 mm Conductor type (wire) 0 1 mm	Installation Cable	
Jacket Color		705
Type of Certificate CURus		
Amount stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Banding Fleece wire a rangement gray-pink, violet, rod blue, (brown, red, gray, black, yellow, pink, green, white, blue) Gable weight 45.1 grm Material jacket PUR Shore hardness jacket 92 ± 5 Shore A Freedom from ingredients (gacket) 192 ± 5 Shore A Freedom from ingredients (gacket) 192 ± 5 Shore A Freedom from ingredients (gacket) 192 ± 5 Shore A Material wire insulation PP Amount wires 112 Outer diameter (spleath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter (sheath) ± 5 % Shore hardness wire insulation PP Amount wires 12 Outer diameter insulation PP Amount wires 12 Outer diameter insulation PP Amount wires 12 Outer diameter for diameter (wire) 18 Diameter of single wires Outer insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount startes (wire) 18 Diameter of single wires 0, 11 mm Conductor twine Share (Chack) 5 m @ 25 °C Conductor type (wire) strand class 6 Travesing distance (Chack) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (ini. wire Paguery withstand voltage (wire - paguery) in the presentative (static) 40 °C Max. operating temperature (stotic) 5 °C Operating temperature (stotic) 600, application-related testing 0 Ne No 15 S V CO Operating temperature (stotic) 7.5 x Outer diameter (stesting 0 Ne No 15 S V CO Operating temperature (stotic) 7.5 x Outer diameter (stesting 0 Ne No 15 S V CO Operating temperature (stotic) 7.5 x Outer diameter (stesting 0 Ne No 15 S V CO Operating temperature (stotic) 7.5 x Outer diameter (stesting 0 Ne No 15 S V CO Operating temperature (stotic) 7.5 x Outer diameter (stesting 0 Ne No 15 S V CO Operating temperature (stotic) 2 Min. operating temperature (stotic) 10 x V Correlated testing 0 Ne No 15 S V CO Operating temperature (stotic		
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Banding Fleece Write arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)	<u> </u>	
wire arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) Cable weight 45,1 g/m Material jacket PUR Shore hardness jacket 92 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Cubre-diameter (jacket) ± 5 % Material viro insulation PP Material viro insulation PP Amount wires 12 Cuter diameter insulation 1 mm Culter diameter insulation 1 mm Culter diameter tolerance core insulation 2 ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 1 mm Conductor orassection (wire) 18 Diameter of single wires 0,1 mm Conductor orassection (wire) 0,14 mm² Material conductor wire S Canductor type (wire) strand class 6 Traversing distance (0-track) 5 m @ 25 °C Nomman Vallage AC max. 300 ∨ Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 °C Operating temperature (static) 85 °C Operating temperature (static) 85 °C Operating temperature (static) 85 °C Operating temperature min. (dynamic) 95 °C Operating temperature min. (dyn		_
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Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - incompanies) 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 Oil 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 (fixed) 10 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		5 m @ 25 °C
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Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles ± 180 °/m		2 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) A0 °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 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles ± 180 °/m	Electrical resistance line constant wire	138 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) A0 °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 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles ± 180 °/m	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles ± 180 °/m	Power frequency withstand voltage (wire - jacket)	
Operating temperature min. (dynamic) 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 Travel speed (C-track) 2 Mio. Torsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles ± 180 °/m	Max. operating temperature (fixed)	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 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °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 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	85 °C
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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	chemical 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 Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	
Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Travel speed (C-track)	2 Mio. @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min