

M12 female 90° A-cod. with cable

PUR 3x0.75 bk UL/CSA+drag ch. 3m

Female 90° M12, 3-pole 2× LED (PNP)

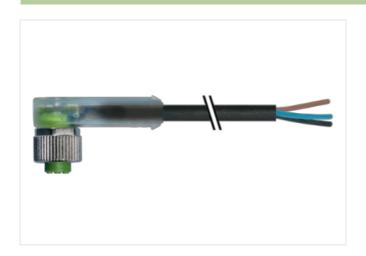
Invers-polarity protection

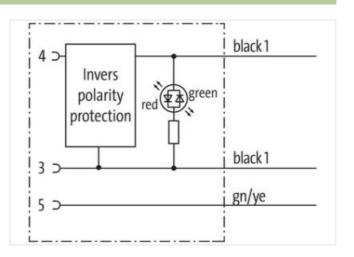
Plastic housings with good resistance against chemicals and oils.

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

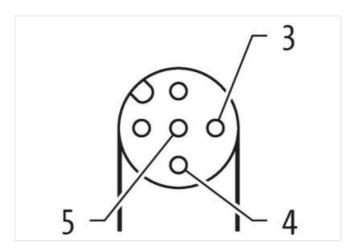
Link to Product

Illustration









Product may differ from Image











Cable length

3 m

Side 1

Tightening torque

0,6 Nm



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
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	4048879462327
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	20.4 V
Operating voltage DC max.	27,6 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, red
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
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.
	Character by excessive behaling forces.
Installation Cable	

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



Cable Type 3	Cable identification	636
Jacket Color Diack Colfficiate CiPus	Cable Type	3
Jacket Color Diack Colfficiate CiPus		white (isolation black)
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cablo weight 56.1 g/m Shore hardness jacket PUR Shore hardness jacket 90.5 S Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Maltorial wire insulation PP Amount wire insulation 1.85 mm Outer diameter insulation 70.4 S Shore D Shore hardness wire insulation 70.4 S Shore D Ingredient feeness wire insulation 70.4 S Shore D Ingredient feeness wire insulation 42 Dameter of single wires 0.15 mm Conductor try insulation 42 Dameter of single wires 0.15 mm Conductor try bye (wire) 5 strand class 6 Traversing distance (C+track) 10 m@ 25 °C [horizontal Nominal vallage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance		
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cablo weight 56.1 g/m Shore hardness jacket PUR Shore hardness jacket 90.5 S Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Maltorial wire insulation PP Amount wire insulation 1.85 mm Outer diameter insulation 70.4 S Shore D Shore hardness wire insulation 70.4 S Shore D Ingredient feeness wire insulation 70.4 S Shore D Ingredient feeness wire insulation 42 Dameter of single wires 0.15 mm Conductor try insulation 42 Dameter of single wires 0.15 mm Conductor try bye (wire) 5 strand class 6 Traversing distance (C+track) 10 m@ 25 °C [horizontal Nominal vallage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance	Type of Certificate	cURus
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wire arrangement		3 wires twisted
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Operating temperature min. (dynamic) 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 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Min. operating temperature (static)	-40 °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 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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 bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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 bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical 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 bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	
No. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Bending radius (fixed)	
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Torsion speed 35 cycles/min		
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