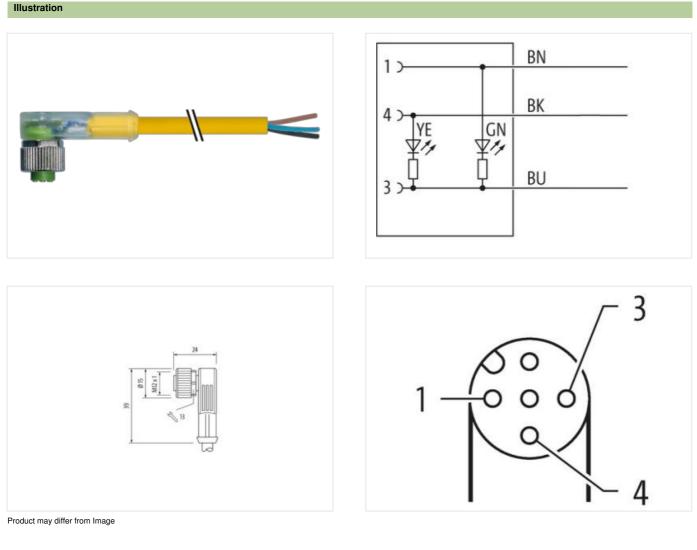


M12 female 90° A-cod. with cable LED

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

Female 90° Zinc die casting, save-cover coated M12, 3-pole 2× LED (PNP) 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





Cable length

1,5 m

Side 1

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Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879205085
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Installation Connection	
•	20 mm
Stripping length (jacket) Mounting set	20 mm M12 x 1
Device protection Electrical	MIZX I
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Material gasket	FKM
	Zinc die-casting
Locking material	
Locking material Material screw connection	Zinc die-casting

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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.	
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Note on bending radius	endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation Cable		
wire arrangement	brown, black, blue	
Cable identification	053	
Cable Type	5	
Jacket Color	yellow	
Type of Certificate	cURus	
Amount stranding	1	
Stranding	3 wires twisted	
vire arrangement	brown, black, blue	
Cable weigth	29,7 g/m	
Aaterial jacket	PUR	
Shore hardness jacket	58 ± 3 Shore D	
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Duter-diameter (jacket)	4,3 mm	
olerance outer diameter (sheath)	±5%	
Aterial wire insulation	PP	
mount wires	3	
Duter diameter insulation	1.25 mm	
Duter diameter tolerance core insulation	±5%	
Shore hardness wire insulation	74 ± 3 Shore D	
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
	42	
Amount strands (wire)		
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	
Iominal 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 - acket)	2,5 kV @ 60 s	
Iin. operating temperature (static)	-40 °C	
Nax. 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 UL 1581 § 1100 FT2 IEC 60332-2-2	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Dil resistance	Good, application-related testing DIN EN 60811-404	
Bending radius (fixed)	5 x Outer diameter	

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Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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