

M12 male 0° / M12 female 0° A-cod. LED

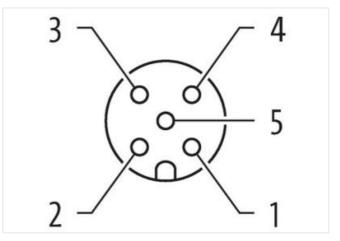
PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 1m

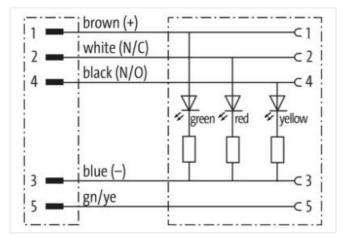
Male straight – female straight Zinc die casting, save-cover coated M12 – M12, 5-pole 3× LED (PNP), (NPN) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

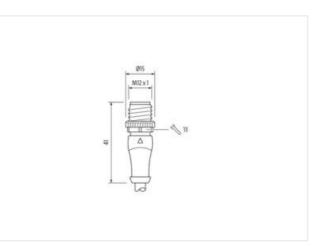
Link to Product

Illustration



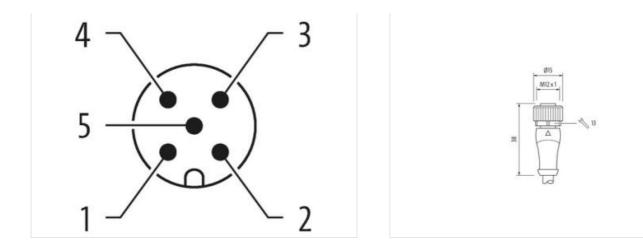






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Product may differ from Image

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suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Tightening torque 0,6 Nm 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 Coding A Coding A Material PUR Width across flats SW13 Commercial data SY13 ECLASS-0.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tartiff number 85444	Cable length	1 m
Mounting method inserted, screwed Family construction form M12 Thread M12 × 1 suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 × 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Coding A Material PUR Width across flats SW13 Coding A Material PUR Width across flats SW13 Coding A Coding A ECLASs-6.0 27279218 ECLASs-7.0 27279218 ECLASs-8.0		
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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, IP67 Side 2 T Tightening torque 0,6 Nm Mouning 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 Coding A Material PUR Width across flats SW13 Coding A Catacross flats SW13 Coding A ECLASS - 0. 27279218 ECLASS - 0. 27279218 ECLASS - 0. 27060311 ECLASS - 10.1 27060311 ECLASS - 10.1 27060311 ECLASS - 11.1 27060311 ECLASS - 12.0<		
Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2	Thread	M12 x 1
Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2	suitable for corrugated tube (internal \emptyset)	10 mm
Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 IP65, IP67 Tightening torque 0,6 Nm 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 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27260311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 ECO01855 customs tariff number 85444290 GTIN 4048879620307	Coding	A
Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Image: Step 2 Tightening torque 0,6 Nm 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 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27260311 ECLASS-8.0 27260311 ECLASS-8.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 Econt855 Customs tariff number 85444290 Customs tariff number 85444290 GTIN 4048879620307	Material	PUR
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Tightening torque 0,6 Nm 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 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC014859 customs tariff number 85444290 GTIN 4048879620307	Degree of protection (EN IEC 60529)	IP65, IP67
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 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECOU1855 customs tariff number 85444290 GTIN 4048879620307	Side 2	
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Material PUR Width across flats SW13 Commercial data	suitable for corrugated tube (internal \emptyset)	10 mm
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ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879620307	ECLASS-8.0	27279218
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ETIM-5.0 EC001855 customs tariff number 8544290 GTIN 4048879620307	ECLASS-11.1	
customs tariff number 85444290 GTIN 4048879620307	ECLASS-12.0	27060311
GTIN 4048879620307	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1	GTIN	4048879620307
	Packaging unit	1

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Electrical data | Supply

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, red, yellow
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)	
Mechanical data Material data	
Coating locking	safe-cover coated
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.
	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.
Installation Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	852
Cable Type	5
Function cable	Hybrid, Signal, Power
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	46,2 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) Tolerance outer diameter (sheath)	5,2 mm ± 5 %
Material wire insulation	± 5 % PP
Waterial WIE INSUIDIU	11
Amount wires	Δ
Amount wires Outer diameter insulation	4 1 25 mm
Amount wires Outer diameter insulation Outer diameter tolerance core insulation	4 1,25 mm ± 5 %

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Shore hardness wire insulation	74 ± 3 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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Power)	PP
Outer diameter wire insulation (Power)	1,4 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	74±3 Shore D
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Power)	1
Amount strands wire (Power)	16
Diameter of single wires (Power)	0,2 mm
Wire conductor cross section (Power)	0,5 mm ²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current carrying capacity min. wire (Power)	6,8 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	39 Ω/km @20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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 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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