

M12 male 0° / M12 female 90° A-cod. LED

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

Male straight – female 90° M12 – M12, 4-pole 2× LED (PNP), (NPN) on request

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

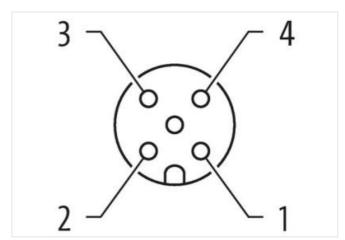
Plastic housings with good resistance against chemicals and oils.

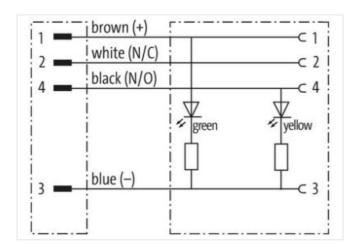
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

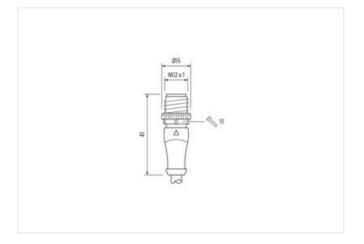
Link to Product

Illustration





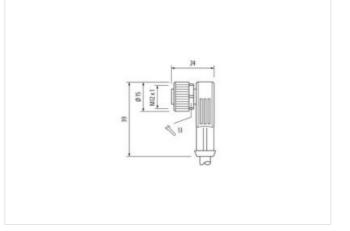






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Product may differ from Image



Cable length





5 m





Cable leligili	3 111
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879370523
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V

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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Installation Connection Marco	Operating voltage DC max.	30 V
Installation Connection Murning set M12 x 1 Device protection Electrical Device protection Device Device protection Device Devi		
Mounting set M12 x 1 Device procection Electrical Additional condition protection degree insented, screwed Pollution Degree 3 Raid dury evoltage 0.8 kV Michanical date Marterial data Total casaling Material screw connection 2.7 and 6e-assiting Material screw connection 2.7 and 6e-assiting Mechanical data Mounting data Total device of the processory Mounting method insented, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature range depending on cable quality Important installation notes Value of product the connectors by suitable measures from mochanical loads, e.g. by the usage of cable likes. Note on bending radius Attentions: Observe the permissible bending radia when laying cables, as the IP protection class can be advantaged by excessive bending forces. Gabbe identification 654 Cable identification 654 Cable identification 654 Cable identification 654 Cable identification		
Device protection Electrical		NAC 4
Additional condition protection degree inserted, screwed Pollution Degree	-	M12 X 1
Fallution Degree 3 Ratio surp voltage 0,0 8 VY Mechanical data Material data Costing of fitting nickel plated Material screw connection 2 mickel plated Material screw connection Mechanical data Mounting data Mounting method inserted Environmental characteristics Climatic Coperating temperature min. 26 ° C Operating temperature min. 86 ° C Operating temperature min. 87 ° C Op	Device protection Electrical	
Rated surge voltage 0,9 kV Mechanical data Material data Cashing of fitting nickel plated Material acrew connection Zinc de-casting Mechanical data Mounting data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Coperating temperature min. 2.5 °C Operating temperature max. 85 °C Additional condition temperature and depending on cable quality Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise. Note on bending radius Affaiton: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 664 Cable 179p 5 Jackel Color black Type of Certificate CURus Annount stranding 1 Stranding 4 wires layisted Wire arrangement brown, black, blue, white Cable weigh 46, 36, 3 g/m Material jacket 5, 3 Shore D Shore hardness jacket Freedom from ingerients (jacket) 4,7 mm Tolerance outer clamater (jacket) 4,7 mm Tolerance outer diameter (jacket) 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount fartness were insulation 74 ± 3 Shore D Annount fartness were insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 74 ± 3 Shore D Annount wires 4 Cutter diameter insulation 75 °C Cutter diameter insulation	Additional condition protection degree	inserted, screwed
Mechanical data Material data Coating of fitting nickel plated Microrial scrow connection Zime die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. 25 °C 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 lises. Nate on strain relief Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ontangreed by scrossive bending forces. Installation Cable Cable Type 5 Jacket Color black Type of Certificate CURus Annount stranding 1 Stranding 4 wres twisted wire arrangement brown, black, blue, white Cable weight 36.3 gm Material jacket PUB Shore hardness jacket 58 ± 3 Shore D Freedom from ingredents (jacket) 4,7 mm Tolerance outer diameter (jacket) 4,7 mm Amount wires 4 Outer diameter (jacket) 4,2 mm Amount stream 1,25 mm Tolerance outer diameter (jacket) 4,2 mm Tolerance outer diameter (jacket) 4,2 mm Tolerance outer diameter (jacket) 4,2 mm Tolerance outer diameter (jacket) 5,5 % Shore hardness wire insulation 74 ± 3 Shore D Tolerance outer diameter (jacket) 4,2 mm Tolerance outer diameter	Pollution Degree	3
Coating of fitting nicket plated 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 man 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain retiel Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable tee. Note on bending radius Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be ordangered by successive bending fractos. Installation Cable Cable (South Cable) 54 Cable (South Cable) 55 Standing 4 wire a twisted wire arrangement brown, black, blue, white Cable weigh 38.3 pin Material jabetel PUR Shore hardness jacket 58 % 3 Shore D Freedom from ingredients (Jacket) 4,7 mm Cateriareance under fameler (health) 4,5 mm Anount strainess are insulation 74 ± 3 Shore D Freedom from ingredients (Jacket) 4,7 mm Cateriareance under lameler (health) 4,5 mm Anount strainess wire insulation 74 ± 3 Shore D Freedom from ingredients (Jacket) 4,7 mm Cateriareance under lameler (health) 4,5 mm Anount strain (South) 42 Caller diameter (indexet) 4,5 mm Anount strain (South) 4,2 mm Anount strain (South) 4,2 mm Material conductor wire 5 strained copper wire, bare Cardioutry type (wire) 4,2 mm Material conductor wire 5 strained capacity (wire) 4,8 A Material conductor wire 5 strained capacity (straindard) 5 bit (Dinzontal 5 bit (Cardioutry (straindard) 5 bit (Dinzontal 5 bit	Rated surge voltage	0,8 kV
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Mounting method Inserted, screwed. Shaking protection	Mechanical data Mounting data	
Environmental characteristics Climatic		inserted screwed Shaking protection
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Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 5 % 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 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Material wire insulation	PP
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Amount strands (wire) 42 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 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Shore hardness wire insulation	74 ± 3 Shore D
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Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Conductor crosssection (wire)	0,34 mm²
Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Conductor type (wire)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A	Traversing distance (C-track)	5 m @ 25 °C horizontal
Current load capacity min. wire 4,8 A	Nominal voltage AC max.	300 V
	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 60 Ω/km @ 20 °C	Current load capacity min. wire	4,8 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 - 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
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min