

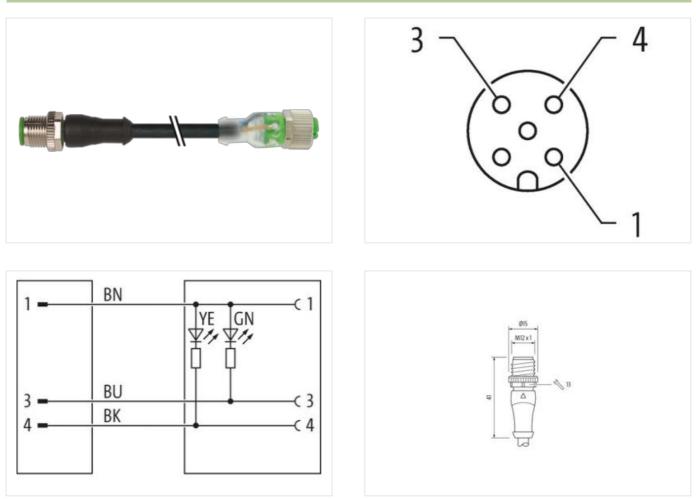
## M12 male 0° / M12 female 0° A-cod. LED

PUR 3x0.34 bk UL/CSA+drag ch. 2m

Male straight – female straight M12 – M12, 3-pole LED (yellow/green) 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.

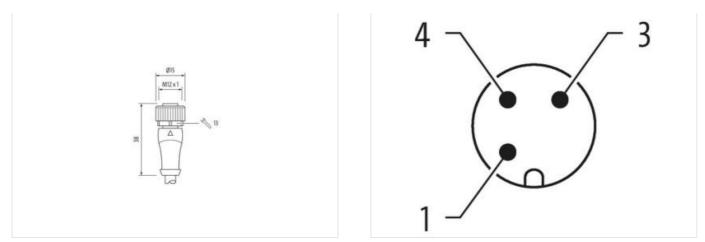
## Link to Product





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Product may differ from Image



Cable length	2 m
Side 1	
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 Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
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 $Ø$ )	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
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

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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879673648
Packaging unit	1
Electrical data   Supply	
	24 V
Operating voltage DC Operating voltage DC min.	24 V 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	
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	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Time dia pendian
waterial Screw Connection	Zinc die-casting
Material screw connection Mechanical data   Mounting data	Zinc die-casting
	inserted, screwed, Shaking protection
Mechanical data   Mounting data	
Mechanical data   Mounting data Mounting method	
Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic	inserted, screwed, Shaking protection
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.	inserted, screwed, Shaking protection
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.	inserted, screwed, Shaking protection -25 °C 85 °C
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard	inserted, screwed, Shaking protection -25 °C 85 °C
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12)
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification	inserted, screwed, Shaking protection -25 °C -25 °C depending on cable quality DIN EN 61076-2-101 (M12) 633
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus
Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStranding	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangement	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted brown, black, blue
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigth	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacket	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacket	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR 90 ± 5 Shore A
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR 90 ± 5 Shore A lead-free, cGFC-free, halogen-free, silicone-free
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 1 3 wires twisted block cURus 1 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm ± 5 %
Mechanical data   Mounting dataMounting methodEnvironmental characteristics   ClimaticOperating temperature min.Operating temperature max.Additional condition temperature rangeConformityProduct standardInstallation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality DIN EN 61076-2-101 (M12) 633 3 black cURus 1 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm

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Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 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 <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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 torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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