

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

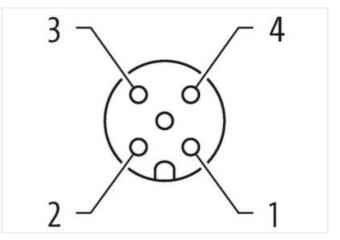
PUR 4x0.34 gy UL/CSA+drag ch. 8m

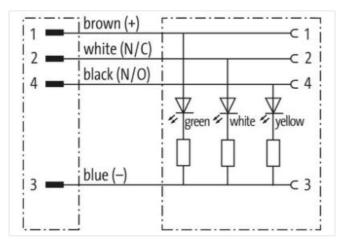
Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

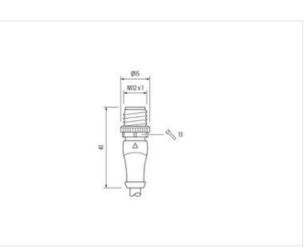
Link to Product

Illustration



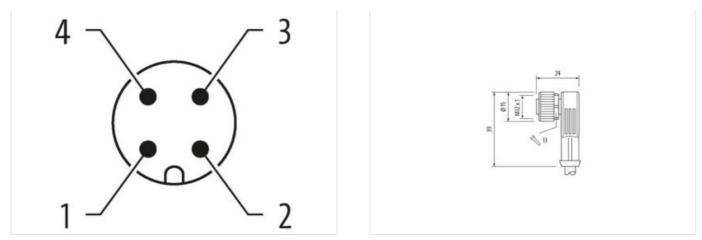






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Product may differ from Image



Cable length	8 m
Side 1	
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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, 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 \emptyset)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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	4048879169790
Packaging unit	1
Electrical data Supply	

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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, white, 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	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
Additional condition temperature range	depending on cable quality
Conformity	
Conformity Product standard	depending on cable quality DIN EN 61076-2-101 (M12)
Conformity Product standard Installation Cable	DIN EN 61076-2-101 (M12)
Conformity Product standard Installation Cable Cable identification	DIN EN 61076-2-101 (M12) 234
Conformity Product standard Installation Cable Cable identification Cable Type	DIN EN 61076-2-101 (M12) 234 3
Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color	DIN EN 61076-2-101 (M12) 234 3 gray
Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate	DIN EN 61076-2-101 (M12) 234 3 gray cURus
Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1
Conformity Product standard Installation Cable Cable identification Cable Identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted
Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white
ConformityProduct standardInstallation CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C
ConformityProduct standardInstallation CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigth	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m
ConformityProduct standardInstallation CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacket	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR
ConformityProduct standardInstallation CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacket	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A
ConformityProduct standardInstallation CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
ConformityProduct 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)	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
ConformityProduct 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)	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 %
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ConformityProduct 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)Material wire insulationAmount wiresOuter diameter insulation	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP 4 1,25 mm
ConformityProduct 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)Material wire insulationAmount wiresOuter diameter tolerance core insulation	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 %
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ConformityProduct 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)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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ConformityProduct 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)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	DIN EN 61076-2-101 (M12) 234 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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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	4,8 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
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 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 torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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