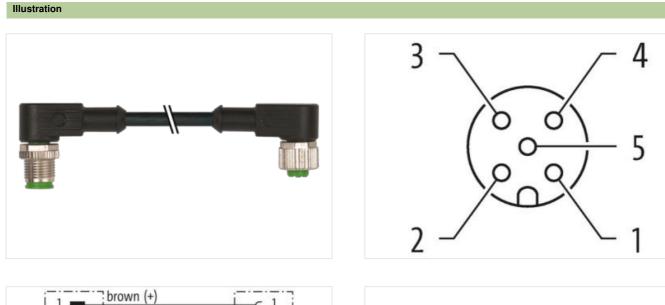


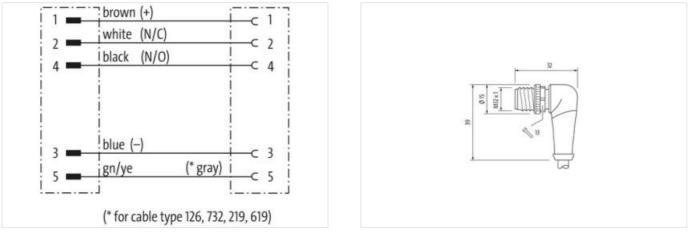
M12 male 90° / M12 female 90° A-cod.

PVC 5x0.34 bk UL/CSA 3m

Male 90° – female 90° M12 – M12, 5-pole 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.

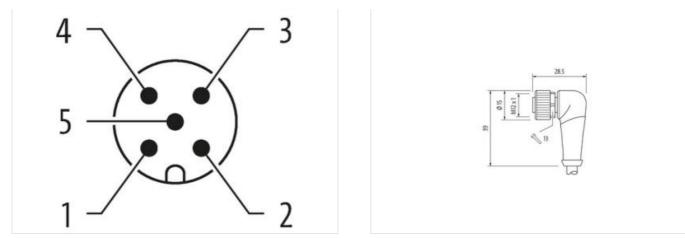
## Link to Product





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Product may differ from Image



Cable length	3 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
Coding	A
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
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
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	4048879172103
Packaging unit	1

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
-	
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
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
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Installation   Cable	
Installation   Cable	endangered by excessive bending forces.
Installation   Cable	endangered by excessive bending forces. 615
Installation   Cable Cable identification Cable Type	endangered by excessive bending forces. 615 1
Installation   Cable Cable identification Cable Type Jacket Color	endangered by excessive bending forces. 615 1 black
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces. 615 1 black cURus 1
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces. 615 1 black cURus
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 %
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	endangered by excessive bending forces.         615         1         black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,2 mm         ± 5 %         PVC
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	endangered by excessive bending forces.         615         1         black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,2 mm         ± 5 %         PVC         5
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 % PVC 5 1,25 mm
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulationOuter diameter tolerance core insulation	endangered by excessive bending forces. 615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 % PVC 5 1,25 mm ± 5 %
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulation	endangered by excessive bending forces.         615         1         black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,2 mm         ± 5 %         PVC         5         1,25 mm         ± 5 %         45 ± 5 Shore D
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationMaterial properties wire insulation	endangered by excessive bending forces.         615         1         black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,2 mm         ± 5 %         PVC         5         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	endangered by excessive bending forces.         615         1         black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,2 mm         ± 5 %         PVC         5         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability         lead-free, cadmium-free, CFC-free, silicone-free

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	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
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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