

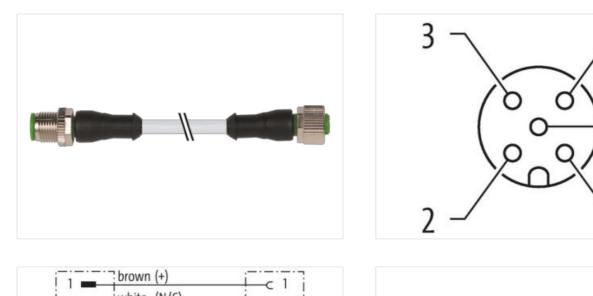
## M12 male 0° / M12 female 0° A-cod.

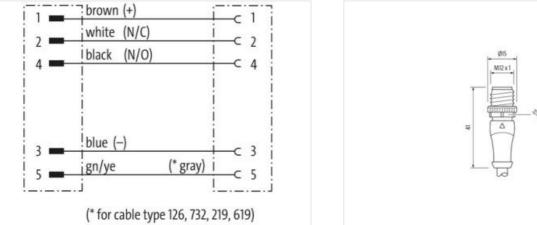
PVC 5x0.34 gy UL/CSA 7.5m

Male straight – female straight M12 – M12, 5-pole A-coded 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

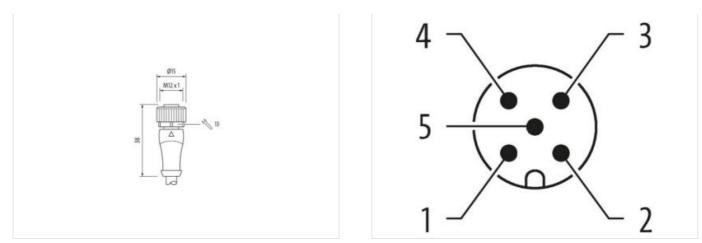
Illustration





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Product may differ from Image



Cable length	7,5 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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
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 Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
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
	27060311
ECLASS-9.0	
ECLASS-9.0 ECLASS-10.1	27060311

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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879182454
Packaging unit	1
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	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	,,• ···
Mechanical data   Material data	
·	Malalad
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material Material screw connection	Zinc die-casting Zinc die-casting
	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climation	c
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Additional condition temperature range Important installation notes	depending on cable quality
	depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Important installation notes	
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
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Important installation notes Note on strain relief Note on bending radius Conformity	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 endangered by excessive bending forces.
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation   Cable	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 endangered by excessive bending forces. DIN EN 61076-2-101 (M12)
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification	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 endangered by excessive bending forces.
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type	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 endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 215 1
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type	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 endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 215 1
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         Filler         wire arrangement	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted         yes
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         Filler         wire arrangement         Cable weigth	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         Filler         wire arrangement	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         Filler         wire arrangement         Cable weigth         Material jacket	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC
Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket	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 endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         215         1         gray         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         48,4 g/m         PVC         85 ± 5 Shore A

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Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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)	0° 08
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° 08
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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