

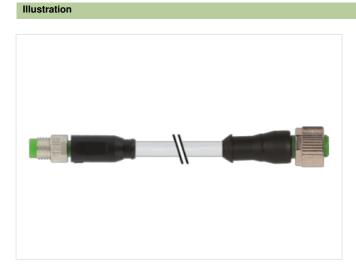
## M8 male 0° / M12 female 0° A-cod.

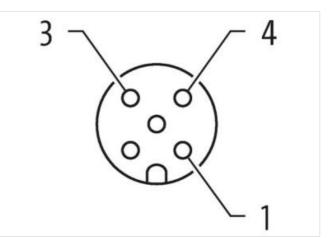
PUR 3x0.25 gy UL/CSA 7.5m

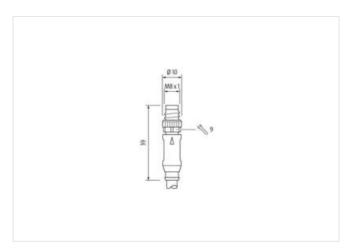
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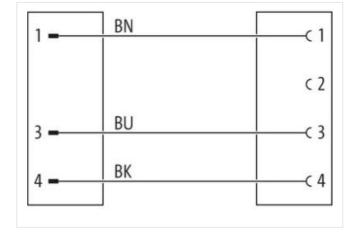
Male straight – female straight M8 – M12, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



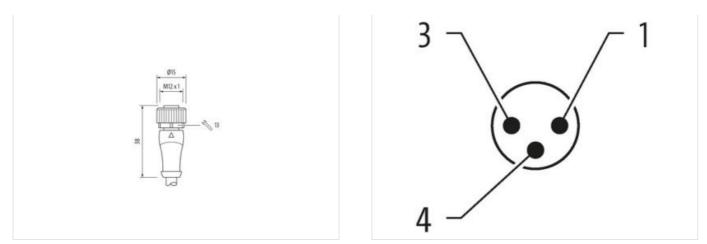






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Product may differ from Image



Cable length	7,5 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
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
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	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

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ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879753616
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, 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	
Coating locking	Nickeled
Material gasket	FKM
Material housing	PUR
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
	25 6
	85 ℃
Operating temperature max.	85 °C
Operating temperature max. Additional condition temperature range	85 °C depending on cable quality
Operating temperature max. Additional condition temperature range Important installation notes	depending on cable quality
Operating temperature max. Additional condition temperature range	depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Operating temperature max. Additional condition temperature range Important installation notes	depending on cable quality
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief	depending on cable quality 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
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius	depending on cable quality 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
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity	depending on cable quality         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.
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard	depending on cable quality         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.
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation   Cable	depending on cable quality         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), DIN EN 61076-2-114 (M8)
Operating temperature max.         Additional condition temperature range         Important installation notes         Note on strain relief         Note on bending radius         Conformity         Product standard         Installation   Cable         Cable identification	depending on cable quality 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), DIN EN 61076-2-114 (M8) 220
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	depending on cable quality 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), DIN EN 61076-2-114 (M8) 220 2 gray
Operating temperature max. Additional condition temperature range 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	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus
Operating temperature max.         Additional condition temperature range         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	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1
Operating temperature max.         Additional condition temperature range         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	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted
Operating temperature max.         Additional condition temperature range         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         wire arrangement	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         21         gray         cURus         1         3 wires twisted         brown, black, blue
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket         Shore hardness jacket	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR         85 ± 5 Shore A
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,3 mm
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,3 mm         ± 5 %
Operating temperature max.         Additional condition temperature range         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         wire arrangement         Traversing distance (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	depending on cable quality         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), DIN EN 61076-2-114 (M8)         220         2         gray         cURus         1         3 wires twisted         brown, black, blue         5 m @ 25 °C   horizontal         26,62 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,3 mm         ± 5 %         PVC

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Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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	79 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)	30 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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