

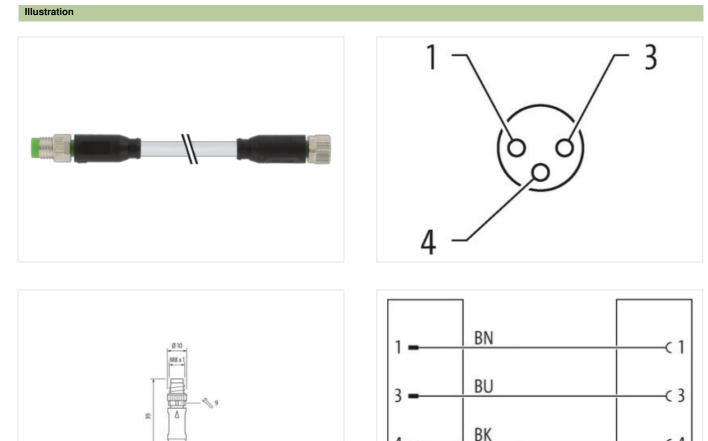
< 4

## M8 male 0° / M8 female 0° A-cod.

PUR 3x0.25 gy UL/CSA+robot+drag ch. 0.3m

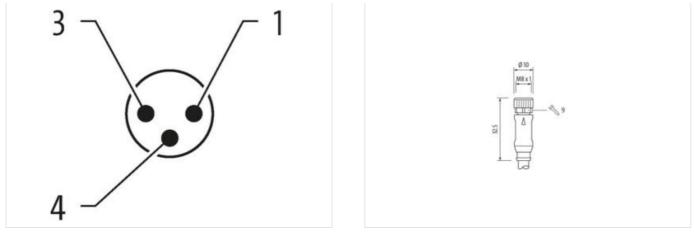
Male straight – female straight Zinc die casting, save-cover coated M8 – M8, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually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

## Link to Product



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Product may differ from Image



Cable length   0,3 m     Side 1   Tightening torque   0,4 Nm     Mounting method   inserted, screwed   Coating contact   gold plated     Family construction form   M8   1   suitable for corrugated tube (internal 0)   6,5 mm     Material contact   Copper alloy   Copper alloy   Copper alloy     No. of poles   3   3   With across fats   SW9     Side 2     M8 × 1   1     Tightening torque   0,4 Nm   Mounting method   inserted, screwed     Coating contact   gold plated   Screwed   3     Tightening torque   0,4 Nm   Mounting method   inserted, screwed     Coating contact   gold plated   Screwed   3     Thread   M8 × 1   Material contact   Copper alloy     No. of poles   3   3   3     Commercial data   Copper alloy   Screwed   3     Counting method   inserted, screwed   3   3     Countact   Copper alloy   3   3 <th></th> <th></th>		
Tightening torque   0.4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 × 1     suitable for corrugated tube (internal Ø)   6.5 mm     Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2	Cable length	0,3 m
Mounting methodinserted, screwedCoaling contactgold platedFamily construction formM8ThreadM8 x 1suitable for corrugated tube (internal Ø)6,5 mmMaterial contactCopper alloyNo. of poles3Side 2SW9Side 2Side 10Mounting methodinserted, screwedCoating contactgold platedFamily construction formM8Tightening torque0,4 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyNo. of poles3Commercial dataZr279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ETM-5.0EC001185coustoms tariff number8544290GTIN4048879131407Packaging unit1	Side 1	
Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     suitable for corrugated tube (internal Ø)   6,5 mm     Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2	Tightening torque	0,4 Nm
Family construction form   M8     Thread   M8 x 1     suitable for corrugated tube (internal Ø)   6,5 mm     Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2	Mounting method	inserted, screwed
Thread   M8 x 1     suitable for corrugated tube (internal Ø)   6,5 mm     Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2	Coating contact	gold plated
suitable for corrugated tube (internal Ø)   6,5 mm     Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2      Tightening torque   0,4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   Copper alloy     ECLASS-6.0   27279218     ECLASS-7.0   27260311     ECLASS-11.1   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ECLASS-12.0   ECO01825     customs tariff number   85444290	Family construction form	M8
Material contact   Copper alloy     No. of poles   3     Width across flats   SW9     Side 2      Tightening torque   0,4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   Copper alloy     ECLASS-6.0   27279218     ECLASS-6.1   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27260311     ECLASS-1.1   27060311     ECLASS-1.1   27060311     ECLASS-12.0   27060311     ETIM-5.0   ECO01855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Thread	M8 x 1
No. of poles   3     Width across flats   SW9     Side 2   Tightening torque   0,4 Nm     Mounting method   inserted, screwed   Coating contact   gold plated     Family construction form   M8   1   Material contact   Copper alloy     No. of poles   3   3   Commercial data   Column (Second Contact)   Copper alloy     No. of poles   3   Second Contact)   Second Contact   Copper alloy     No. of poles   3   Second Contact)   Second Contact)   Second Contact)     ECLASS-6.0   27279218   Second Contact)   Second Contact)   Second Contact)     ECLASS-8.0   27279218   Second Contact)   Second Contact)	suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats   SW9     Side 2   Tightening torque   0,4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27060311     ECLASS-1.1   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407	Material contact	Copper alloy
Side 2     Tightening torque   0,4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 × 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27060311     ECLASS-1.1   27060311     ECLASS-1.1   27060311     ECLASS-1.2.0   27060311     ECLASS-1.2.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	No. of poles	3
Tightening torque   0,4 Nm     Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 × 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27260311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.2.0   27060311     ECLASS-1.2.0   27060311     ECLASS-1.2.0   27060311     ETIM-5.0   ECO01855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Width across flats	SW9
Mounting method   inserted, screwed     Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   ECLASS-6.0     ECLASS-6.1   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-6.1   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-10.1   27060311     ECLASS-10.1   27060311     ECLASS-10.1   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Side 2	
Coating contact   gold plated     Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27260311     ECLASS-1.1   27060311     ECLASS-1.1   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Tightening torque	0,4 Nm
Family construction form   M8     Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27060311     ECLASS-1.1   27060311     ECLASS-1.1   27060311     ECLASS-1.2.0   27060311     ECLASS-1.2.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   404879131407     Packaging unit   1	Mounting method	inserted, screwed
Thread   M8 x 1     Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27060311     ECLASS-11.1   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Coating contact	gold plated
Material contact   Copper alloy     No. of poles   3     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27279218     ECLASS-8.0   27260311     ECLASS-9.0   27060311     ECLASS-10.1   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Family construction form	M8
No. of poles   3     Commercial data   2     ECLASS-6.0   27279218     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     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Thread	M8 x 1
Commercial data     ECLASS-6.0   27279218     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     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ETIM-5.0   ECO01855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Material contact	Copper alloy
ECLASS-6.0   27279218     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     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	No. of poles	3
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     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	Commercial data	
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 4048879131407   Packaging unit 1	ECLASS-6.0	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   4048879131407     Packaging unit   1	ECLASS-6.1	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   4048879131407     Packaging unit   1	ECLASS-7.0	27279218
ECLASS-10.1   27060311     ECLASS-11.1   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	ECLASS-8.0	27279218
ECLASS-11.1   27060311     ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879131407     Packaging unit   1	ECLASS-9.0	27060311
ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   8544290     GTIN   4048879131407     Packaging unit   1	ECLASS-10.1	27060311
ETIM-5.0   EC001855     customs tariff number   8544290     GTIN   4048879131407     Packaging unit   1	ECLASS-11.1	27060311
customs tariff number85444290GTIN4048879131407Packaging unit1	ECLASS-12.0	27060311
GTIN   4048879131407     Packaging unit   1	ETIM-5.0	EC001855
Packaging unit 1	customs tariff number	85444290
	GTIN	4048879131407
	Packaging unit	1
Electrical data   Supply	Electrical data   Supply	

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Operating voltage AC max.	50 V
	50 V 60 V
Operating voltage DC max. Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	47
Diagnostics	
Status indication LED	no
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)	1
Mechanical data   Material data	
Coating locking	safe-cover coated
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
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.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	250
Cable Type	5
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth Material jacket	26,4 g/m PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (iackot)	13 mm
Outer-diameter (jacket)	4,3 mm + 5 %
Tolerance outer diameter (sheath)	± 5 %
Tolerance outer diameter (sheath) Material wire insulation	± 5 % PP
Tolerance outer diameter (sheath) Material wire insulation Amount wires	± 5 % PP 3
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	± 5 % PP 3 1,25 mm
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	± 5 % PP 3 1,25 mm ± 5 %
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	± 5 % PP 3 1,25 mm ± 5 %

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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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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 § 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m

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