

## M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 bk UL/CSA+robot+drag ch. 1.2m

Male straight – female 90° Zinc die casting, save-cover coated M8 – M12, 3-pole M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

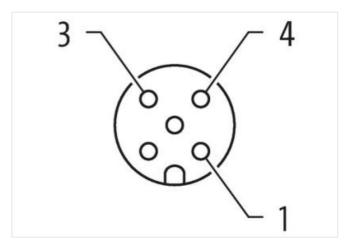
Plastic housings with good resistance against chemicals and oils.

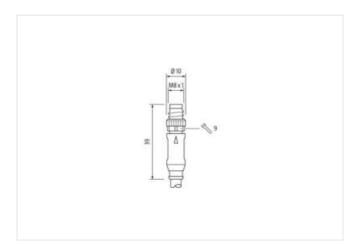
The resistance to aggressive media should be individually tested for your application. Further details on request.

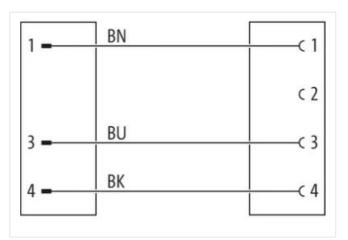
## **Link to Product**

## Illustration



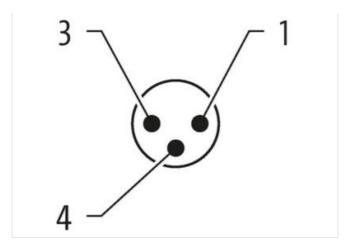


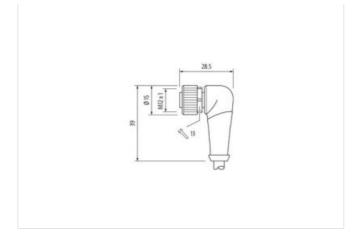






## stay connected





Product may differ from Image











Side 1           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coading 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           Rounding 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         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060311	Cable length	1,2 m
Mounting method   inserted, screwed	Side 1	
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 forque           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         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311	Tightening torque	0,4 Nm
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 SW9  Family construction form M12  Thread SW12 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 27279218  ECLASS-6.0 27279218  ECLASS-7.0 2729218  ECLASS-9.0 2760311  ECLASS-10.1 27060311	Mounting method	inserted, screwed
Thread	Coating contact	gold plated
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           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         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311	Family construction form	M8
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         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	Thread	M8 x 1
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         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	suitable for corrugated tube (internal Ø)	6,5 mm
No. of poles   3	Coding	A
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         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311	Material contact	Copper alloy
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         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	No. of poles	3
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 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	Width across flats	SW9
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         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311	Side 2	
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         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311	Tightening torque	0,6 Nm
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         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	Mounting method	inserted, screwed
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         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	Coating contact	gold plated
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       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	Family construction form	M12
Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           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	Thread	M12 x 1
Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           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	suitable for corrugated tube (internal $\emptyset$ )	10 mm
No. of poles 3 Width across flats SW13  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	Coding	A
Width across flats         SW13           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		Copper alloy
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	No. of poles	3
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	Width across flats	SW13
ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311	Commercial data	
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311	ECLASS-6.0	27279218
ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311	ECLASS-6.1	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311	ECLASS-7.0	27279218
ECLASS-10.1 27060311 ECLASS-11.1 27060311	ECLASS-8.0	27279218
ECLASS-10.1 27060311	ECLASS-9.0	27060311
	ECLASS-10.1	27060311
ECLASS-12.0 27060311	ECLASS-11.1	27060311
	ECLASS-12.0	27060311



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ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909002957
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
·	***
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)	T
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 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Installation   Cable	= 1.0 ± 1.0 · 0.0 ± 1.0 · (±), = 1.1 ± 1.0 · 0.0 · 0.1 · (€)
Cable identification	650
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	26,4 g/m
Material jacket	PUR
	58 ± 3 Shore D
Shore hardness jacket	58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Shore hardness jacket Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm
Shore hardness jacket Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free



Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-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
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
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min