

## M8 male 90° / M8 female 90° A-cod.

PUR 4x0.34 bk UL/CSA+drag ch. 2m

**EtherCAT** 

Male 90° - female 90°

M8 - M8, 4-pole

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

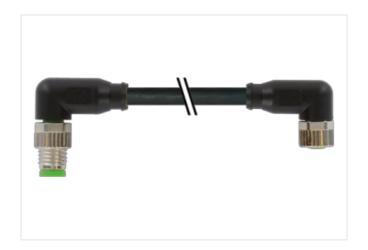
Plastic housings with good resistance against chemicals and oils.

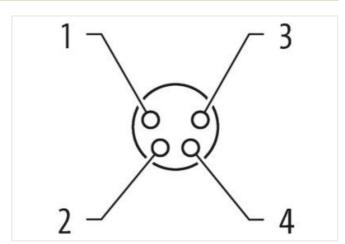
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

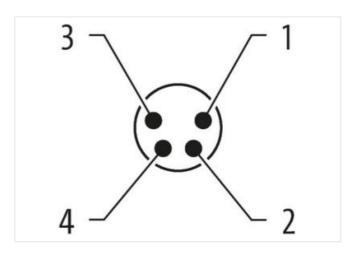
## **Link to Product**

## Illustration



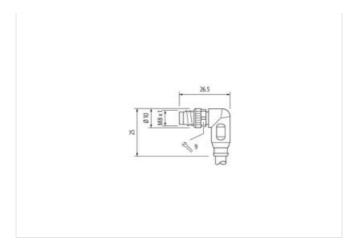


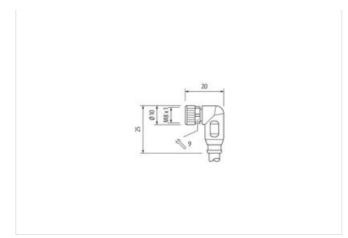






## stay connected





Product may differ from Image





Mounting method inserted, screwed Family construction form M8  Thread M8 x 1  suitable for corrugated tube (internal Ø) 6,5 mm  Width across flats SW9  Side 2  Tightening torque 0,4 Nm Mounting method inserted, screwed  Thread M8 x 1  Commercial data  ECLASS-6.0 27061801  ECLASS-7.0 27061801  ECLASS-8.0 27061801  ECLASS-9.0 27061801  ECLASS-10.1 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 27060311  ECLASS-10.1 2706	Cable length	2 m
Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Suitable for corrugated tube (internal Ø)         6,5 mm           Width across flats         SW9           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage Operating voltage	Side 1	
Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Width across flats         SW9           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0           ECLASS-7.0           ECLASS-7.0           ECLASS-7.0           ECLASS-9.0           ECLASS-9.0           ECLASS-10.1           ECLASS-10.1           ECLASS-10.1           ECLASS-12.0           ECLASS-1	Tightening torque	0,4 Nm
Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Width across flats         SW9           Side 2           Tightening torque         0,4 Nm           Mounting method           Inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27061801           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECMASS-10.1         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Current operating per contact max.         4 A           Degree of protection   Electrical           Degree of protection (EN IEC 60529)	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         6,5 mm           Width across flats         SW9           Side 2         Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-9.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67	Family construction form	M8
Width across flats         SW9           Side 2         Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-9.0         27061801           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Current operating per contact max.         4 A           Degree of protection   Electrical           Degree of protection   Electrical	Thread	M8 x 1
Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Current operating per contact max.         4 A           Device protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical	suitable for corrugated tube (internal Ø)	6,5 mm
Tightening torque 0,4 Nm  Mounting method inserted, screwed  Thread M8 x 1  Commercial data  ECLASS-6.0 27061801  ECLASS-7.0 27061801  ECLASS-8.0 27061801  ECLASS-9.0 27061801  ECLASS-9.0 27061801  ECLASS-1.1 27060311  ECLASS-1.1 27060311  ECLASS-1.2.0 27060311  ETIM-5.0 ECO01855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage BC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection   Electrical	Width across flats	SW9
Mounting method         inserted, screwed           Thread         M8 x 1           Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27061801           ECLASS-8.0         27061801           ECLASS-9.0         27061801           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879449434           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67	Side 2	
Commercial data	Tightening torque	0,4 Nm
Commercial data	Mounting method	inserted, screwed
ECLASS-6.0 27061801  ECLASS-7.0 27061801  ECLASS-8.0 27061801  ECLASS-9.0 27061801  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Thread	M8 x 1
ECLASS-7.0 27061801  ECLASS-8.0 27061801  ECLASS-9.0 27061801  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Commercial data	
ECLASS-8.0 27061801  ECLASS-9.0 27061801  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-6.0	27061801
ECLASS-9.0 27061801  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-7.0	27061801
ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-8.0	27061801
ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-9.0	27061801
ECLASS-12.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879449434  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-10.1	27060311
ETIM-5.0  customs tariff number  85444290  GTIN  4048879449434  Packaging unit  1  Electrical data   Supply  Operating voltage AC max.  Operating voltage DC max.  30 V  Current operating per contact max.  4 A  Device protection   Electrical  Degree of protection (EN IEC 60529)  IP65, IP67	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879449434 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ECLASS-12.0	27060311
GTIN 4048879449434 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	customs tariff number	85444290
Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	GTIN	4048879449434
Operating voltage AC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Packaging unit	1
Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Electrical data   Supply	
Current operating per contact max. 4 A  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Operating voltage AC max.	30 V
Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67	Operating voltage DC max.	30 V
Degree of protection (EN IEC 60529) IP65, IP67	Current operating per contact max.	4 A
Aller I recorded to	Device protection   Electrical	
Additional condition protection degree inserted, screwed	Degree of protection (EN IEC 60529)	IP65, IP67
	Additional condition protection degree	inserted, screwed



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Pollution Degree	3
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
·	
Coating locking	Nickeled
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.
Installation   Cable	
Cable identification	634
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 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	4.8 A
Electrical resistance line constant wire	57 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
· · · · · ·	-40 °C
Min. operating temperature (static)	-40 °C
Min. operating temperature (static)  Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-02



Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
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	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min