

## M8 male $0^{\circ}$ / M8 female $90^{\circ}$ A-cod. snap-in LED

PUR 3x0.25 ye UL/CSA+robot+drag ch. 2m

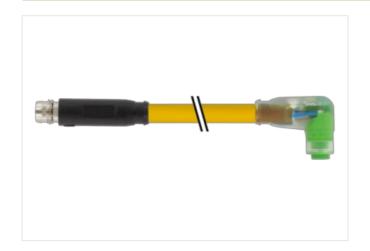
Male straight – female 90°
M8 (Snap In) – M8 (Snap In), 3-pole
2× LED (PNP), (NPN) on request
Further cable lengths on request.

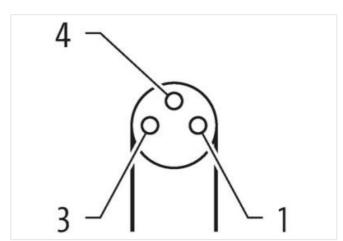
Plastic housings with good resistance against chemicals and oils.

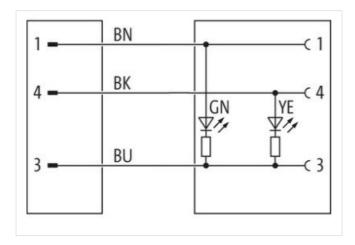
The resistance to aggressive media should be individually tested for your application. Further details on request.

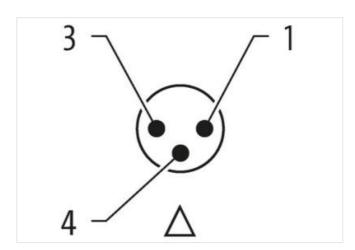
## **Link to Product**

## Illustration





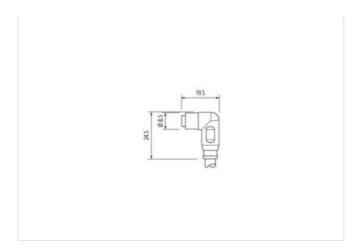






stay connected





Product may differ from Image











Suitable for corrugated tube (internal Q)	Cable length	2 m
Suitable for corrugated tube (internal Ø) 6,5 mm  Commercial data  ECLASS-6.0 27061801  Dustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC 30 V  Operating voltage DC max. 30 V  Operating voltage DC max. 30 V  Operating voltage DC max. 4 A  Diagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529)   P65  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0 (8 k V  Material group (IEC 60664-1)   I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Poperating temperature max. 45 °C  Additional condition temperature range depending on cable quality	Side 1	
Commercial data           ECLASS-6.0         27061801           customs tariff number         85444290           Packaging unit         1           Electrical data   Supply           Operating voltage DC           24 V         Operating voltage DC max.           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)           Operating voltage DC max.         4 A           Diagnostics           Status indication LED           green, yellow           Degree of protection   Electrical           Degree of protection (EN IEC 60529)         IP65           Additional condition protection degree         inserted, locked           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Mechanical data   Material data           Mechanical data   Mounting data           Locking techniques         Snap In           Environmental characteristics   Climatic           Operating temperature mix.         45 °C           Operating temperature	Thread	M8
ECLASS-6.0 27061801 customs tariff number 85444290 Packaging unit 1  Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Operating voltage DC max. (UL-listed) 30 V  Current operating per contact max. 4 A  Diagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage O, 8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Munting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	suitable for corrugated tube (internal Ø)	6,5 mm
customs tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC max. (UL-listed) 30 V  Current operating per contact max. 4 A  Diagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection (EN IEC 60529) IP65  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Meterial data  Material housing PUR  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Commercial data	
Packaging unit 1  Electrical data   Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Ourself operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked  Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 606841) I  Mechanical data   Material data Material housing PUR  Mechanical data   Mounting data Looking techniques Snap In  Environmental characteristics   Climatic  Deperating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	ECLASS-6.0	27061801
Electrical data   Supply  Operating voltage DC	customs tariff number	85444290
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Mechanical data   Material data Material housing PUR  Mechanical data   Material data  Material data   Mounting data Looking techniques Snap In  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	Packaging unit	1
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 6064-1) I  Mechanical data   Material data Material housing PUR  Mechanical data   Mounting data Looking techniques Snap In  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	Electrical data   Supply	
Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked  Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 6064-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked  Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Operating voltage DC min.	18 V
Current operating per contact max. 4 A  Piagnostics  Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Operating voltage DC max.	30 V
Diagnostics Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Operating voltage DC max. (UL-listed)	30 V
Status indication LED green, yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Current operating per contact max.	4 A
Device protection   Electrical  Degree of protection (EN IEC 60529) IP65 Additional condition protection degree inserted, locked  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Diagnostics	
Degree of protection (EN IEC 60529)  Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Additional condition temperature range depending on cable quality	Status indication LED	green, yellow
Additional condition protection degree inserted, locked  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Device protection   Electrical	
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Degree of protection (EN IEC 60529)	IP65
Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Additional condition protection degree	inserted, locked
Material group (IEC 60664-1)  Mechanical data   Material data  Material housing  PUR  Mechanical data   Mounting data  Looking techniques  Snap In  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality	Pollution Degree	3
Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Rated surge voltage	0,8 kV
Material housing PUR  Mechanical data   Mounting data  Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Material group (IEC 60664-1)	I
Mechanical data   Mounting data Looking techniques Snap In  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Material data	
Looking techniques  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality	Material housing	PUR
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Mounting data	
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Looking techniques	Snap In
Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C
Important installation notes	Additional condition temperature range	depending on cable quality
	Important installation notes	

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: 2024-05-15



stay connected	v conn	ected
----------------	--------	-------

	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	<b>Attention:</b> 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	050
Cable Type	5
Jacket Color	yellow
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
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
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
, ,	0.1 mm
Diameter of single wires	<u> </u>
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	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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