

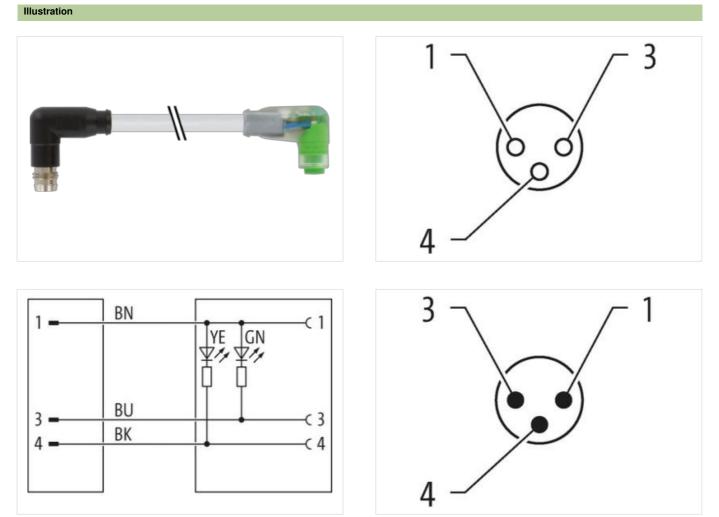
## M8 male 90° / M8 female 90° A-cod. snap-in LED

PUR 3x0.25 gy UL/CSA 0.6m

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Male 90° – 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.

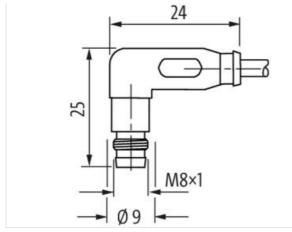
## Link to Product

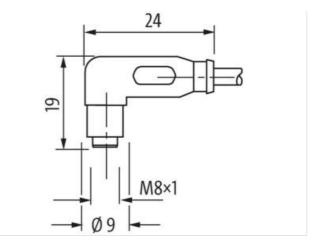


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Product may differ from Image



Side 1         Thread       M8         suitable for corrugated tube (internal Ø)       6,5 mm         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         Current operating per contact max.       4 A         Diagnostics       green, yellow         Destretion   Electrical       green, yellow         Degree of protection   Electrical       inserted, locked         Polition Degree       3         Additional condition protection degree       inserted, locked         Polition Degree       3         Rated surge voltage       0,8 kV         Material Housing       PUR         Mechanical data   Mounting data       Snap In         Environmental characteristics   Climatic       Snap In         Environmental characteristics   Climatic       Snap In         Environmental termerature min.       -25 °C         Operating temperature max.       85 °C		
Diread         M8           suitable for corrugated tube (internal Ø)         6,5 mm           Electrical data   Supply         Operating voltage DC         24 V           Operating voltage DC max.         18 V         Operating voltage DC max.         30 V           Operating voltage DC max.         30 V         Operating voltage DC max.         00 V           Current operating per contact max.         4 A         A           Diagnostics         green, yellow         Image: Contact max.         4 A           Degree of protection   Electrical         green, yellow         Image: Contact max.         4 A           Degree of protection (EN IEC 60529)         IP65         Image: Contact max.         4 A           Pollution Degree         3         A         Image: Contact max.         4 A           Material cont protection degree         inserted, locked         Image: Contact max.         4 A           Degree of protection (EN IEC 60529)         IP65         Image: Contact max.         4 A           Material cont protection degree         3.         Image: Contact max.         4 A           Pollution Degree         3.         Image: Contact max.         4 A           Material group (IEC 60664-1)         1         Image: Contact max.         4 A	Cable length	0,6 m
suitable for corrugated tube (internal Ø) 6,5 mm 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 voltage Material group (IEC 60664-1) I Electrical data   Material data Material fousing PUR Electrical data   Mounting data Looking techniques SIAP IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Side 1	
IElectrical 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.       18 V         Operating voltage DC max.       10 V         Current operating per contact max.       4 A         Diagnostics       green, yellow         Descree protection   Electrical       green, yellow         Degree of protectin (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         Material housing       PUR         Mechanical data   Material data       Material housing         Looking techniques       Snap In         Environmental characteristics   Climatic       Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Thread	M8
Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         18 V           Operating voltage DC max.         4 A           Diagnostics         green, yellow           Degree of protection [Electrical         green, yellow           Degree of protection (EN IEC 60529)         IP65           Additional condition protecton degree         inserted, locked           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Material data           Material housing         PUR           Mechanical data   Mounting data         Snap In           Environmental characteristics   Climatic         Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C	suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics       green, yellow         Device protection   Electrical       green, yellow         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)       1         Mechanical data   Material data       PUR         Metrial housing       PUR         Metrial housing       Snap In         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	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       green, yellow         Device protection   Electrical       green, yellow         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       PUR         Mechanical data   Mounting data       Snap In         Environmental characteristics   Climatic       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       green, yellow         Device protection   Electrical       green, yellow         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       PUR         Mechanical data   Mounting data       Snap In         Looking techniques       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Operating voltage DC min.	18 V
Current operating per contact max.       4 A         Diagnostics       green, yellow         Status indication LED       green, yellow         Degree of protection   Electrical       Pole         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 min.       -25 °C         Operating temperature max.       85 °C	Operating voltage DC max.	30 V
Diagnostics         Status indication LED       green, yellow         Degree of protection   Electrical       IP65         Additional condition protection degree       inserted, locked         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Meterial group (IEC 60664-1)       I         Meterial data   Material data       PUR         Material housing       PUR         Icoking techniques       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C	Operating voltage DC max. (UL-listed)	30 V
Status indication LEDgreen, yellowDevice protection [ElectricalDegree of protection (EN IEC 60529)IP65Additional condition protection degreeinserted, lockedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataMaterial housingPURMechanical data   Mounting dataLooking techniquesSnap InEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °C	Current operating per contact max.	4 A
Device protection   ElectricalDegree of protection (EN IEC 60529)IP65Additional condition protection degreeinserted, lockedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataMaterial housingPURMechanical data   Mounting dataLooking techniquesSnap InEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °C	Diagnostics	
Degree of protection (EN IEC 60529)IP65Additional condition protection degreeinserted, lockedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataMaterial housingPURMechanical data   Mounting dataLooking techniquesSnap InEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °C	Status indication LED	green, yellow
Additional condition protection degreeinserted, lockedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataPURMaterial housingPURMechanical data   Mounting dataSnap InEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °C	Device protection   Electrical	
Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       PUR         Material housing       PUR         Mechanical data   Mounting data       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Degree of protection (EN IEC 60529)	IP65
Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       PUR         Material housing       PUR         Mechanical data   Mounting data       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C	Additional condition protection degree	inserted, locked
Material group (IEC 60664-1)       I         Mechanical data   Material data       PUR         Material housing       PUR         Mechanical data   Mounting data       Snap In         Looking techniques       Snap In         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Pollution Degree	3
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	Rated surge voltage	0,8 kV
Material housing     PUR       Mechanical data   Mounting data     Image: Comparise of the second s	Material group (IEC 60664-1)	1
Mechanical data   Mounting data         Looking techniques       Snap In         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Mechanical data   Material data	
Looking techniques     Snap In       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C	Material housing	PUR
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °C	Looking techniques	Snap In
Operating temperature max. 85 °C	Environmental characteristics   Climatic	
	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C
Additional condition temperature range depending on cable quality	Additional condition temperature range	depending on cable quality
Conformity	Conformity	
Product standard DIN EN 61076-2-114 (M8)	Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	Installation   Cable	
Cable identification 220	Cable identification	220

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Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	2 Mio. @ 25 °C
Cable weigth	26,62 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
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° C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° 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
Commercial data	
customs tariff number	85444290
Packaging unit	1

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