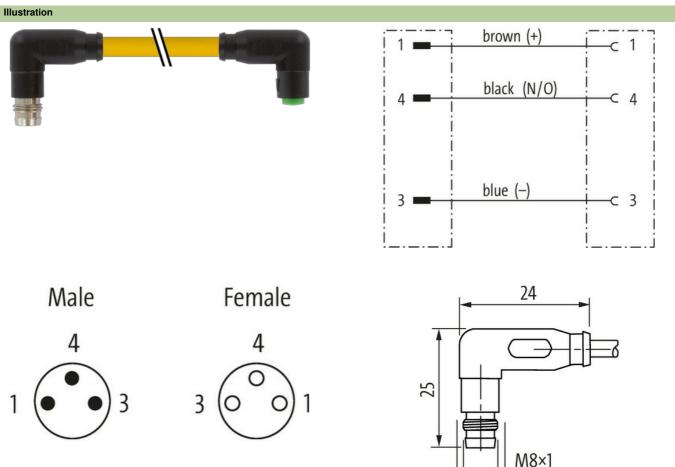


## M8 male 90° / M8 female 90° A-cod. snap-in

PVC 3x0.25 ye UL/CSA 2m

Male 90° – female 90° M8 (Snap In) – M8 (Snap In), 3-pole 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

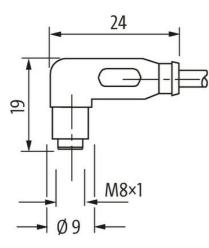


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Product may differ from Image



\* only for products with UL/CSA approved cable

Technical Data       Operating voltage     max. 50 V AC/60 V DC       Operating voltage (only UL listed)     max. 30 V AC/DC       Rated surge voltage     1.5 kV       Operating current per contact     max. 4 A       Material group     IEC 60664-1, category 1       Locking of ports     M6 Snap In       Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corrugated tube (internal 0)     6.5 mm       Ceneral data     PUR       Standards     DIN EN 61076-2-104 (M8)       Pollution Degree     3       Temperature range     -25+85 °C, depending on cable quality       Cables     V/C (br, bl, bk)       Outer Ø     4.5 mm 45%       Cable identification     010       Cable identification     010       Cable identification     010       Cable weight [g/m]     29.37 g       Material (wire)     Cu wire, bare       Resistor (core)     nax. 79 Q/km (20 °C)       Single wire Ø (core)     0.15 mm       Cable weight [g/m]     29.37 g       Material (wire)	Form	
Operating voltage     max. 50 V AC/60 V DC       Operating voltage (only UL listed)     max. 30 V AC/DC       Rated surge voltage     1.5 kV       Operating current per contact     max. 4 A       Material group     IEC 606641, category I       Locking of ports     M8 Snap In       Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corrugated tube (internal 0)     6.5 mm       General data     Category I       Standards     DIN EN 61076-2·104 (M8)       Pollution Degree     3       Temperature range     -25+85 °C, depending on cable quality       Cables     Vire isolation       Vire isolation     PVC (tr, bl, bk)       Outer Ø     4.5 mm ±5%       Cable deriffication     010       Cable deriffication     010       Cable veight [g/m]     29.37 g       Material (wire)     Cu wire, bare       Cable veight [g/m]     29.37 g       Standards     0.15 mm       Cable veight [g/m]     29.37 g       Material (wire)     Cu wire, bare	Form	88201
Operating voltage (only UL listed)     max. 30 V AC/DC       Rated surge voltage     1.5 kV       Operating ourrent per contact     max. 4 A       Material group     IEC 60664.1, category I       Locking of ports     M8 Snap In       Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corrugated tube (internal Ø)     6.5 mm       General data     General data       Standards     DIN EN 61076-2-104 (M8)       Pollution Degree     3       Cables     -25+85 °C, depending on cable quality       Cables     V////>V// IS/SA       Vire isolation     PVC (tor, bl, bk)       Outer Ø     4.5 mm 25%       Cable identification     010       Cable identification     010       Cable velight [g/m]     29.37 g       Material (wire)     Cu wire, bare       Resistor (core)     0.15 mm       Cable velight [g/m]     29.37 g       Material (wire)     Cu wire, bare       Resistor (core)     0.15 mm       Cable velight [g/m]     29.37 g       Material (w	Technical Data	
Rated surge voltage     1.5 kV       Operating current per contact     max. 4 A       Material group     IEC 60664-1, category 1       Locking of ports     M8 Snap In       Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corrugated tube (internal Ø)     6.5 mm       General data     Standards       DIN EN 61076-2-104 (M8)     Polection       Framerature range     -25+85 °C, depending on cable quality       Cables     Standards       No./diameter of wires     3× 0.25 mm²       Wire isolation     PVC (br, bl, bk)       Outer Ø     4.5 mm ±5%       Cable furge     1 (PVC)       Approval (cable)     UL (AWM-Style 2464/1731), CSA       Cable weight [g/m]     29.37 g       Material (wire)     Cu wre, bare       Resistor (core)     max. 79 0/km (20 °C)       Single wire Ø (core)     0.15 mm       Construction (core)     14× 0.15 mm (multi-strand wire class 5)       Diameter (core)     3× 0.25 mm²       AWG     similar to AWG 24       Material (wire isolation) <td< td=""><td>Operating voltage</td><td>max. 50 V AC/60 V DC</td></td<>	Operating voltage	max. 50 V AC/60 V DC
Operating current per contactmax. 4 AMaterial groupIEC 60664-1, category 1Locking of portsM8 Snap InProtectionIP65 inserted and tightened (EN 60529)MaterialPURsuitable for corrugated tube (internal Ø)6.5 mmGeneral dataStandardsStandardsDIN EN 61076-2-104 (M8)Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCableVCVoldameter of wires3 × 0.25 mm²No./diameter of wires3 × 0.25 mm²Cable identification010Cable identification010Cable identification11 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29.37 gMaterial (wire)Cu wire, bareResistor (core)1.4 × 0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCCharler (wire isolation)PVCCharler (wire isolation)PVCMaterial (wire isolation)PVCSingle wire Ø (core)0.15 mmConstruction (core)14 × 0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²Material (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-free	Operating voltage (only UL listed)	max. 30 V AC/DC
Material group     IEC 60664-1, category I       Locking of ports     M8 Snap In       Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corrugated tube (internal Ø)     6.5 mm       General dat     Standards       Standards     DIN EN 61076-2-104 (M8)       Pollution Degree     3       Temperature range     -25+85 °C, depending on cable quality       Cables        No./diameter of wires     3 × 0.25 mm²       Wire isolation     PVC (br, bl, bk)       Outer Ø     4.5 mm ±5%       Cable identification     010       Cable identification     010       Cable weight [g/m]     29.3.7 g       Material (wire)     Cu wire, bare       Resistor (core)     nax. 73 ØLkm (20 °C)       Single wire Ø (core)     0.15 mm       Construction (core)     14× 0.15 mm (multi-strand wire class 5)       Diameter (core)     3 < 0.25 mm²	Rated surge voltage	1.5 kV
Locking of portsM8 Snap inProtectionIP65 inserted and tightened (EN 60529)MaterialPURsuitable for corrugated tube (internal Ø)6.5 mmGeneral dataStandardsDIN EN 61076-2-104 (M8)Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable wight (gm]29.37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)1.4 × 0.15 mm / 4.0 ms m²Material (wire isolation)PVCMaterial (wire isolation)0.75 mm²Material (wire isolation)0.75 mm²Material (wire isolation)0.75 mm²Material (wire)Cu wire, bareResistor (core)1.4 × 0.15 mmConstruction (core)1.4 × 0.15 mm / 4.0 ms m²Material (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)PVCMaterial (wire isolation)PVC	Operating current per contact	max. 4 A
Protection     IP65 inserted and tightened (EN 60529)       Material     PUR       suitable for corugated tube (internal Ø)     6.5 mm       General dat     Standards     DIN EN 61076-2-104 (M8)       Pollution Degree     3     3       Temperature range     -25+85 °C, depending on cable quality     Cables       Vol/diameter of wires     3 × 0.25 mm²     Wire isolation     PVC (tr, bl, bk)       Outer Ø     4.5 mm ±5%     Cable identification     010       Cable identification     010     Cable 4264/1731), CSA     Cable view (wire, bare)       Quire Ø     4.5 mm ±5%     Cable 4264/1731), CSA     Cable view (vire)     Quire, bare       Resistor (core)     max. 79 Ω/km (20 °C)     Single wire Ø (core)     0.15 mm     Construction (core)     1.4 × 0.15 mm (multi-strand wire class 5)       Diameter (core)     3 × 0.25 mm²     MXG     similar to AWG 24     MAG     similar to AWG 24	Material group	IEC 60664-1, category I
MaterialPURsuitable for corugated tube (internal Ø)6.5 mmGeneral dataStandardsDIN EN 61076-2-104 (M8)Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable full(pVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29.37 gMaterial (wire)Cu wire, bareResistor (core)nax. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14 × 0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-free	Locking of ports	M8 Snap In
suitable for corrugated tube (internal Ø) 6.5 mm General data Standards DIN EN 61076-2-104 (M8) Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cables No./diameter of wires 3× 0.25 mm² Wire isolation PVC (br, bl, bk) Outer Ø 4.5 mm ±5% Cable identification 010 Cable Itype 1 (PVC) Approval (cable) UL (AWM-Style 2464/1731), CSA Cable weight [g/m] 29,37 g Material (wire) Cu wire, bare Resistor (core) 14× 0.15 mm (multi-strand wire class 5) Diameter (core) 3× 0.25 mm² AWG similar to AWG 24 Material (wire isolation) PVC Material (wire isolation) CFC-, cadmium-, silicone- and lead-free	Protection	IP65 inserted and tightened (EN 60529)
General dataStandardsDIN EN 61076-2-104 (M8)Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable identification010Cable weight [g/m]29.37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmDiameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-free	Material	PUR
StandardsDIN EN 61076-2-104 (M8)Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable dentification010Cable Jype1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable wire for (wire)29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14 × 0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-free	suitable for corrugated tube (internal Ø)	6.5 mm
Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable identification010Cable wielph [g/m]29.37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-free	General data	
Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires3 × 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable identification010Cable identification010Cable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mm (multi-strand wire class 5)Diameter (core)3 × 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Standards	DIN EN 61076-2-104 (M8)
CablesNo./diameter of wires3× 0.25 mm²Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable Jype1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Pollution Degree	3
No./diameter of wires $3 \times 0.25 \text{ mm}^2$ Wire isolationPVC (br, bl, bk)Outer Ø $4.5 \text{ mm} \pm 5\%$ Cable identification010Cable identification010Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Temperature range	-25+85 °C, depending on cable quality
Wire isolationPVC (br, bl, bk)Outer Ø4.5 mm ±5%Cable identification010Cable identification010Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Cables	
Outer Ø4.5 mm ±5%Cable identification010Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	No./diameter of wires	3× 0.25 mm²
Cable identification010Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gCable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Wire isolation	PVC (br, bl, bk)
Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Outer Ø	4.5 mm ±5%
Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Cable identification	010
Cable weight [g/m]29,37 gMaterial (wire)Cu wire, bareResistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Cable Type	1 (PVC)
Material (wire)   Cu wire, bare     Resistor (core)   max. 79 Ω/km (20 °C)     Single wire Ø (core)   0.15 mm     Construction (core)   14× 0.15 mm (multi-strand wire class 5)     Diameter (core)   3× 0.25 mm²     AWG   similar to AWG 24     Material (wire isolation)   PVC     Material property (wire isolation)   CFC-, cadmium-, silicone- and lead-free	Approval (cable)	UL (AWM-Style 2464/1731), CSA
Resistor (core)max. 79 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Cable weight [g/m]	29,37 g
Single wire Ø (core)0.15 mmConstruction (core)14× 0.15 mm (multi-strand wire class 5)Diameter (core)3× 0.25 mm²AWGsimilar to AWG 24Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-free	Material (wire)	Cu wire, bare
Construction (core)   14× 0.15 mm (multi-strand wire class 5)     Diameter (core)   3× 0.25 mm²     AWG   similar to AWG 24     Material (wire isolation)   PVC     Material property (wire isolation)   CFC-, cadmium-, silicone- and lead-free	Resistor (core)	max. 79 Ω/km (20 °C)
Diameter (core)   3× 0.25 mm²     AWG   similar to AWG 24     Material (wire isolation)   PVC     Material property (wire isolation)   CFC-, cadmium-, silicone- and lead-free	Single wire Ø (core)	0.15 mm
AWG similar to AWG 24   Material (wire isolation) PVC   Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free	Construction (core)	14× 0.15 mm (multi-strand wire class 5)
Material (wire isolation) PVC   Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free	Diameter (core)	3× 0.25 mm <sup>2</sup>
Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free	AWG	similar to AWG 24
	Material (wire isolation)	PVC
Shore hardness (wire isolation) 45 ±5 D	Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
	Shore hardness (wire isolation)	45 ±5 D

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Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
Shield	no
Material (jacket)	PVC
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	4.5 mm ±5%
Color (jacket)	yellow
Jacket Color	yellow
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Temperature range (mobile)	-5+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
Material (jacket)	PVC (UL/CSA)
Commercial data	
country of origin	DE
customs tariff number	85444290
eClass	27061801
Packaging unit	1.000

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