

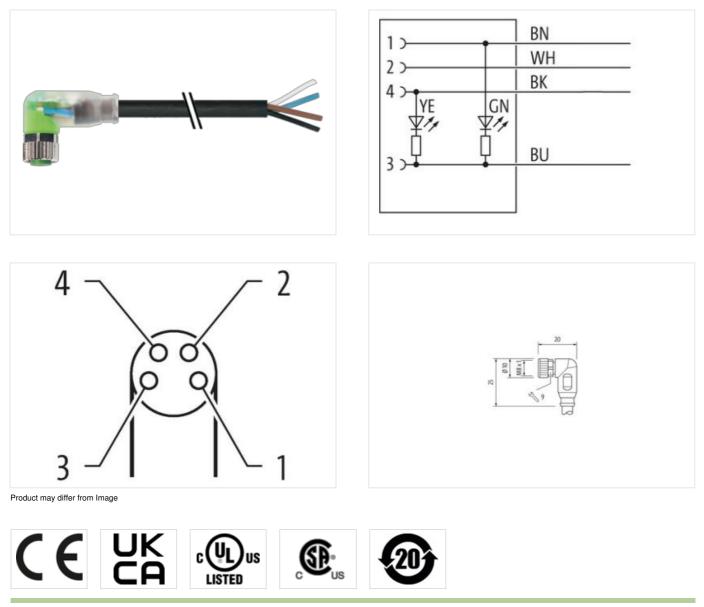
## M8 female 90° A-cod. with cable LED

PVC 4x0.25 bk UL/CSA 30m

Female 90° M8, 4-pole 2× LED (PNP) 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



Cable length

Side 1

Tightening torque

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: 2024-05-18

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30 m

0,4 Nm



Carding controlupper partiesFandy construction formMSFranky construction formMSInhaadG.S.mmCardingAMaterial controlCoper alayMaterial controlCoper alayMaterial controlPURNo. dr poles4Wide arcoss firesSMPDegree of protection (EN IEC 80509)IPES. (IPESK, IPE7StateStateStateStateCantary controlIPES. (IPESK, IPE7StateStateCarding controlgrap partiellCarding controlIPES (IPESK, IPE7StateStateCarding controlgrap partiellCarding controlgrap partiell	Mounting method	inserted, screwed
Family construction form         M6           Thread         M8 x 1           autable for conrugated tube (internal 0);         0.5 mm           Coding         A           Material context         Cooperatory           Material context         Cooperatory           Material context         Revel           With across flats         SW9           Degree of protection (EN IE 06)529)         PK9, P66K, IP67           Side 2         Stepping length (packel)         20 mm           Conting Contant         p04 plated         Stepping length (packel)         20 mm           Conting Contant         p04 plated         Stepping length (packel)         27279218           ECLASS-0.0         27279218         Stepping length (packel)         27279218           ECLASS-7.0         27279218         Stepping length (packel)         27279218           ECLASS-7.0         27279218         Stepping length         Stepping length           ECLASS-7.0         27279218 <t< td=""><td>-</td><td>gold plated</td></t<>	-	gold plated
Thread         M8 × 1           stable for corrugated tube (internal O)         8.5 mm           Coding         A           Material corritat         Copper alloy           Material corritat         Copper alloy           Material corritat         PUR           No. of poles         4           Width access fields         SWO           Degree of protection (EN IEC 60528)         IP65, IP66K, IP67           State         State           Contention (En IEC 60528)         IP65, IP66K, IP67           State State         State           Contention (En IEC 60528)         IP65, IP66K, IP67           State State         State State           Contention (En IEC 60528)         IP65, IP66K, IP67           State State         State State           Contention (En IEC 60528)         IP65, IP66K, IP67           Contention (En IEC 60528)         IP70218           ECLASS 4.0         27279218           ECLASS 5.0         27279218           ECLASS 5.1         27080311           ECLASS 5.10         27080311           ECLASS 5.10         27080311           ECLASS 5.10         27080311           ECLASS 5.10         27090311           ECLASS 5.10		
adable for compatied tube (internal 0)8.5 mmCodingAACodingAMaterial ornitalCopper allayMaterial ornitalPUIRNo. d poise4With a corse fullsSW9Degree or protection (IN IEC 60523)IP65, IP66R, IP67Sing or gene of protection (IN IEC 60523)IP65, IP66R, IP67Sing or gene of protection (IN IEC 60523)IP65, IP66R, IP67Sing ornitation formIP6 e cable endCommodified andIP61, IP62, IP66R, IP67Commodified andIP62, IP62R, IP6		
Cading         A           Material contact         Coppor alloy           Material         PUR           No. of poles         4           With across fills         SW9           Dagree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2            Side 3         SW9           Conting contact         gdd plated           Family construction form         free cable end           Commercial cab         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.0         ECO01055           coators tarif mumber         8644200           OTM         404697711357           Packagin Unit         1           Edeticiad ans [Supply         Commercial Machine Mac		
Material         Copper alloy           Material         PUR           No. of poies         4           With acorse fluis         SW9           Degree of protection (EN EC 60529)         IPES, IPEGK, IPE7           Side 2         Subjoing longth (ackett)         Q01 ml           Coating contaid         Q01 pilled           Family construction form         free cable end         Commercial data           ECLASS 6.0         27279218         Commercial data           ECLASS 6.1         27279218         Commercial data           ECLASS 6.0         27279218         Commercial data           ECLASS 6.0         27090311         Commercial data           ECLASS 7.0         27090311		
Material         PUR           No. of poles         4           Wordh across fails         SW9           Degree of protection (EN EC 60529)         PES, IP66K, IP67           Side 2         Stripping length (acker)         20 mm           Casting contact         gold plated         F           Family construction form         tree cable end         Commercial dat           ECLASS-6.0         227279218         ECLASS-6.0         227279218           ECLASS-7.0         227279218         ECLASS-7.0         227279218           ECLASS-8.0         227279218         ECLASS-8.0         227279218           ECLASS-9.0         227279218         ECLASS-9.0         227279218           ECLASS-9.0         227060311         ECLASS-9.0         227060311           ECLASS-9.0         27060311         ECLASS-9.0         27060311           ECLASS-9.1         27060311         ECO01895         Countoms tarif number         8544290           GTIN         494897971357         Packaging unit         1         ECO01895           Corrent operating voltage DC max.         30 V         Qoperating voltage DC max.         30 V           Operating voltage DC max.         30 V         Qoperating voltage DC max.         30 V      <		
No. dr pules         4           Woth access flats         SW9           Degree of protection (EN EC 60529)         IPS6, IP67K (IP67           Side 2         Side 2           Singpang length (jacker)         20 nm           Castang contact         opd plakd           Family construction form         tree cable end           Commercial dat         22779218           ECLASS-6.0         22779218           ECLASS-6.1         22779218           ECLASS-6.0         22779218           ECLASS-6.0         22779218           ECLASS-6.0         22779218           ECLASS-6.0         22760311           ECLASS-7.0         27760311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         2706031           ECHASS-1.1         1           Ed		
Width across flats         SW9           Dagree of protection (EN IEC 60529)         IP65, IP67           Side 2         Side (A)           Side (a)         Doma           Coating contact         god plated           Family construction form         free cable end           Commercial dai         Commercial (C)           ECLASS-6.0         27278218           ECLASS-7.0         27278218           ECLASS-7.0         27278218           ECLASS-7.0         27278218           ECLASS-7.0         27278218           ECLASS-7.0         27260311           ECLASS-7.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.0         27060311           ETM-5.0         ECO01855           custom staff number         8544280           GTIN         45442771857           Packagn DC         24 V           Operating voltage DC max.         30 V           Operating volta		
Degree of protection (EN IEC 80529)         IP65, IP66X, IP67           Side 2         Press, IP66X, IP67           Singping legn(h) (lackel)         20 mm           Containg contract         gold plated           Family construction form         free cable end           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27060311           ECLASS-8.1         27060311           ECLASS-8.1.1         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.1         1           Beachaging unit         1           Educasing Log Log Init         1           Educasing DC Init<		
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Cashing contact         gold plated           Family construction form         free cable end           Commercial date		20 mm
Family construction form         free cable end           Commercial data		
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27060311           ECLASS-7.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           cuatoms tafff number         8544290           GTIN         4048979711967           Packaging unit         1           Electrical data   Supply            Operating voltage DC max.         30 V           Operating voltage DC max.		
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ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         2706031           ECLASS-12.0         2706031           Customs tariff number         8544290           GTIN         4048879711357           Packaging unit         1           Electrical data   Supply         Operating voltage DC           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operator operator and max. (UL-listed)         30 V           Current operator and max. (UL-listed)         30 V           Diagnostics         E           Status indication LED         green, yellow           Installation   Connection         Ma x 1		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879711957           Packaging unit         1           Electrical data   Supply	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879711357           Packaging unit         1           Electrical data   Supply         Operating voltage DC           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, yellow           Installation   Connection         Max 1           Device protection   Electrical         Max 1           Additional condition protection degree         instretd, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 6064-1)         1           Mechanical data   Material data         Coating locking           Nickeled         Coating locking     <		27279218
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GTIN     4048879711357       Packaging unit     1       Electrical data   Supply        Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     4 A       Diagnostics        Status indication LED     green, yellow       Installation   Connection        Strippi length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Kickeled       Coating of fitting     nickele plated       Material gasket     FKM       Locking material     Zinc die-casting	ETIM-5.0	EC001855
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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.       30 V         Operating voltage DC max.       Ul-listed)         30 V       30 V         Current operating per contact max.       4 A         Diagnostics       green, yellow         Installation I Connection       green, yellow         Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection I Electrical       M8 x 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rater surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	GTIN	4048879711357
Operating voltage DC       24 V         Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       10 V         Operating voltage DC max.       10 V         Operating voltage DC max.       10 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       green, yellow         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical       Servewed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating sol fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting	Packaging unit	1
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Diagnostics         Status indication LED       green, yellow         Installation   Connection       20 mm         Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical       4dditional condition protection degree         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting	Operating voltage DC max. (UL-listed)	30 V
Status indication LED     green, yellow       Installation   Connection     20 mm       Stripping length (jacket)     20 mm       Mounting set     M8 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     V       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Current operating per contact max.	4 A
Installation   Connection         Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting	Diagnostics	
Installation   Connection         Stripping length (jacket)       20 mm         Mounting set       M8 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting	Status indication LED	areen, vellow
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Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting		
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Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Mechanical data   Material data	
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		nickel plated
Material screw connection Zinc die-casting	Material gasket	FKM
	Locking material	Zinc die-casting
Mechanical data   Mounting data	Material screw connection	Zinc die-casting
	Mechanical data   Mounting data	
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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: 2024-05-18

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inserted, screwed, Shaking protection Mounting method Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-104 (M8) Installation | Cable Cable identification 611 Cable Type 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted brown, black, blue, white wire arrangement Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) +5% Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation +5% Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0 25 mm<sup>2</sup> Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 36A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire 2 kV @ 60 s jacket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 | UL 1581 § 1090 | UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 | Good, application-related testing

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Bending radius (fixed) Bending radius (dynamic) 5 x Outer diameter

10 x Outer diameter

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