

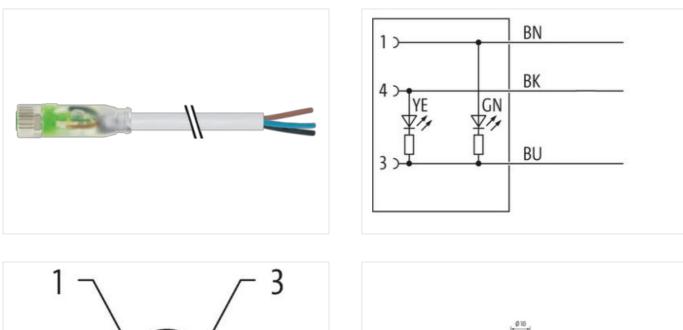
M8 female 0° A-cod. with cable LED

PUR 3x0.25 gy UL/CSA+drag ch. 10m

Female straight M8, 3-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





Product may differ from Image



10 m

0,4 Nm

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: 2024-05-07



Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	
ECLASS-9.0 ECLASS-10.1	27060311
	27060311
ECLASS-11.1 ECLASS-12.0	27060311
	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879523455
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
Installation Connection	
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)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection

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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) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter core insulation 1.26 mm Outer diameter core insulation 1.25 mm Outer diameter core insulation 1.25 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Material conductor wire Stranded coper wire, bare Conductor crossection (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) stranded coper wire, bare Conductor type (wire) stranded coper wire, bare Conductor type (wire) strandel case 6 Nominal	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality Important Installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable kee. Nate on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable kee. Nate on bending radius Attention: Coberve the permissible bending tradis. Endomity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable kee. Cable connectors by excessive bending tradis. Endomity Product standard DIN EN 61076-2-104 (M8) Installation (Cable Cable rope Cable rope 3 Address Cable rope 3 Address Cable QPN Type of Carificatia QPNs Traversing distance (C-track) 10 m @ 25 °C; horizontal Cable weight 26 A g/m Material jackat D I S Shore A Traversing distance (C-track) 10 m @ 25 °C; horizontal Cable weight wire insulation PP Anometry wire insulation 15 S % Material jackat D I S Shore A Travero cord famous direcharge (Saket) 1 S	Operating temperature max.	85 °C
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Cable weight 26.4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 14.1 mm Tolerance outer diameter (gaket) 4.1 mm Tolerance outer diameter (gaket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter rolerance core insulation 1.25 mm Outer diameter rolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Conter diameter isolation 2.5 Km Shore hardness ingle wires 0,1 mm Conductor crosssection (wire) 0.25 mm ³ Material conductor wire Stranded copper wire, bare Conductor vire (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) 2.5 KV @ 60 s Powering temperature (state) 4.0 °C Max. operating temperature (state) 80 °C / 90 °C <t< td=""><td></td><td></td></t<>		
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Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor rosssection (wire)0,25 mm²Material conductor rosssection (wire)0,25 mm²Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity win. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - jacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationCoperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOf the sistanceGood, application-related testingGasoline resistanceGood, applica	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - 32,5 kV @ 60 sPower frequency withstand voltage (wire - 2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature (static)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-21 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameter	Outer diameter tolerance core insulation	±5%
Amount straids (wire)32Amount straids (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - vire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)-40 °CMax. operating temperature (tstatic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationChemical resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameter	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ifxed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60032-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceG	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Amount strands (wire)	32
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 (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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1000 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, ap	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <td< td=""><td>Conductor crosssection (wire)</td><td>0,25 mm²</td></td<>	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rel	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, applicat	Conductor type (wire)	strand class 6
Current load capacity min. wine4,5 AElectrical resistance line constant wine79 Ω/km @ 20 °CAC withstand voltage (wire - wine)2,5 kV @ 60 sPower frequency withstand voltage (wine - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (dynamic)10 x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceID x Outer diameterBending radius (fixed)5 x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIO x Outer diameterBending radius (fixed)5 x Outer diameter	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceIntervent of the state of the	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil 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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil 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	Operating temperature min. (dynamic)	-25 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	5 x Outer diameter
Travel speed (C-track) 10 Mio. @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
	Travel speed (C-track)	10 Mio. @ 25 °C

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No. of torsion cycles

2 Mio.

Torsion stress Torsion speed ± 180 °/m 35 cycles/min

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