

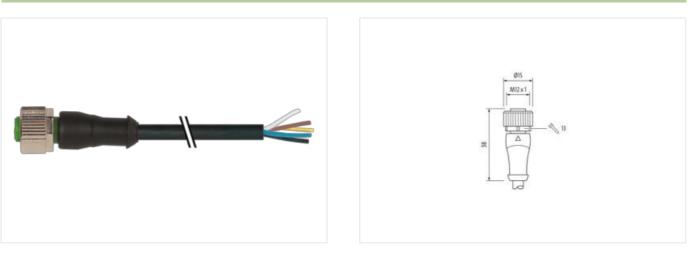
M12 female 0° A-cod. with cable

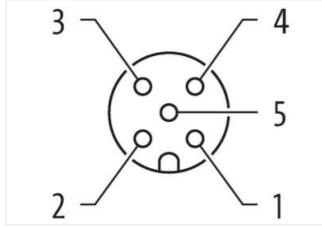
PVC 5x0.34 bk UL/CSA 20m

Female straight M12, 5-pole A-coded Art-No. 7005 - M12 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





1)—	BN	
2 >	WH	
3 >	BU	
4 >	ВК	
5 >	GY	

Product may differ from Image



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: 2024-06-22

20 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879724364
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
	•
Mechanical data Material data	Niskolad
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	

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Mounting method

inserted, screwed, Shaking protection

Operating temperature mine. 45° °C Operating temperature max. 85° °C Additional condition temperature may. Additional condition temperature may. Regional condition temperature may. Protect the connectors by suitable massures from mechanical loads, or, or, bire scales is an information of the connectors by suitable massures from mechanical loads, or, or, bire scales banding brees. Rotes on banding radius Attention: Clearve the promiteible bunding tack when laying cables, as the P protection cleas can be an information of the connectors by suitable massures from mechanical loads, or, or, bires Clearve the promiteible bunding tack. We arrangement Incom, bires, bire	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes Intending radius Protoct the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain reliat Protoct the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Conformity Intention: Observe beending forces. Product standard DN EN 510762-101 (M12) Installation (Cable intention: Gable distillation (Cable Gable Type) Installation (Cable Gable Gable Gable Gable Gable Gable Gable Type) 1 Jacket Color black Type of Certificatie cUBvs Anomal straining 1 Straining Swines around Core filter twisted Filter yes wire arrangement brown, black, blue, white, gray Cable weigh 48,4 gim Material jacket PV C Cable weigh 48,5 gim Material jacket BV S Outer - Gametre (phacent) 5 5 Outer - Gametre (phacent) 5 5 Outer - Gametre (phacent) 5 5 Outer - Gametre (phacent)	Operating temperature min.	-25 °C
Important Installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises. Note on banding radius Attention: Coserve the generissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces. Conformity Product standard Product radiad DIN EN 6 (10'6-2-101 (M12) Installation (Cable Wite arrangement Solida identification 619 Cable Type 1 Cable Type 1 Cable Type 1 Cable Type 1 Stranding 5 wites around Core filler twisted Filler yes wite arrangement Bown, black, bloc, white, gray Cable wight 48.4 g/m Material jacket PV C Store hudres jacket 85.4 5 Store A Freedom Irom ingredients (jacket) 6.24 free, cadmium-free, CFC-free, silicone-free Cure diameter (batanote with subject with subject and subject	Operating temperature max.	85 °C
Note on strain rolled Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable les. Note on banding radius Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endinged by ceedsable bending forces. Contrainty Product standard Diversible Dending forces. Product standard Diversible Standard. Diversible Standard. Cable of the Cable Weat arrangement brown, black, blue, white, gray Cable domification 619 Cable Cable Cable Color Black. Diversible Cable Type of Carlfield ClayBus Standard Stranding 5 Weat arrangement Drown, black, blue, white, gray Cable weight 64.4 grin Standard Diversible Cable weight Arrangement Drown, black, blue, white, gray Cable weight Standard Biler yes Standard PVC Standards Standard PVC Standard Arrangement Law date. Cable weight Standard Diversibility Las date. Cable weight Standard	Additional condition temperature range	depending on cable quality
Note on banding radius Attention: Observe the permittable banding radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contornity Product standard DIN EN 61076-2-101 [M12] Installation (Cable University of the standard DIN EN 61076-2-101 [M12] Installation (Cable University of the standard DIN EN 61076-2-101 [M12] Cable distinction (Cable) Diok Diok Cable distinction (Cable) Diok Diok Type of Carificate OURus Amount strandard Stranding 5 wires around Caro Illier twisted Strandard Stranding 5 wires around Caro Illier twisted Strandard Stranding 5 wires around Caro Illier twisted Strandard (Caro Illier twisted) Cable weigh 48.4 gm Material jacket PVC Strandard (case) 5 Zom A Strandard (Caro Illier twisted) Strandard (Caro Illier twisted) Otder diameter insulation 1.25 run Strandard (Caro Illier twisted) Strandard (Caro Illier twisted) Outer diameter insulation 1.25 run Strandard (Caro Illier twisted) Strama Outer diamater insulation<	Important installation notes	
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Product standard DIN EN 61076-2-101 (M12) Installation (Cable wire arrangement brown, back, blue, while, gray Cable Gabilitation 619 Cable Type 1 Jacket Cofor black Type of Certificate cuBus Arnount stranding 1 Stranding 5 wires around Core filler wisted Filler yos wire arrangement brown, black, blue, while, gray Cable weigh 48.4 ym Material jacket PVC Store fandness jacket 85.1 S fore A Freedom form ingredents (jacket) 82.4 S fore A Tolerance outer diameter (jacket) 5.2 mm Tolerance outer diameter (jacket) 5.2 mm Outer diameter insulation PVC Amount wires 5 Outer diameter insulation 1.25 mm Outer diameter insulation 45.5 S fore D Material wire insulation 45.5 S fore D Material wire insulation 45.5 S fore D Material sing ingregivers 0.15 mm Conductor rows wi	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 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 (win- 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) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 <td>Amount wires</td> <td>5</td>	Amount wires	5
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Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - zakw@ 60 s 2 kV @ 60 s 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 UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal 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 wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor vype (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (mixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2	Amount strands (wire)	19
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2	Conductor crosssection (wire)	0,34 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	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 wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2	Conductor type (wire)	Strand class 5
Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Nominal voltage AC max.	300 V
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2		
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket) 2 KV @ 60 S 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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2		2 kV @ 60 s
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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	jacket)	
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2		
Operating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2		
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Operating temperature min. (dynamic)	
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2		80 °C
	UV resistance	DIN EN ISO 4892-2 A
chemical resistance Good, application-related testing	Flame resistance	
	chemical resistance	Good, application-related testing

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: 2024-06-22



Gasoline 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	

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