

M12 female 0° B-cod. with cable shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1.85m

Female straight M12, 4-pole

B-coded

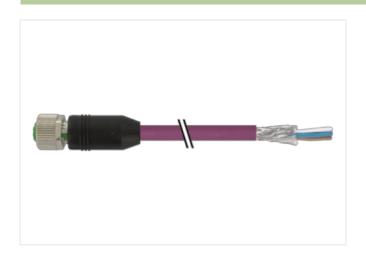
shielded

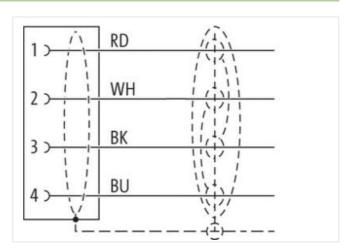
Plastic housings with good resistance against chemicals and oils.

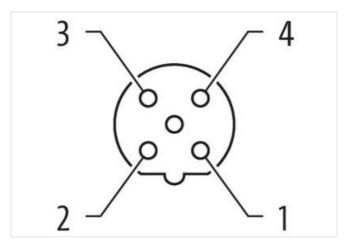
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

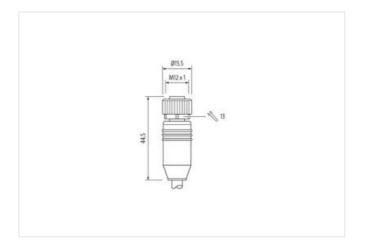
Link to Product

Illustration









Product may differ from Image













Cable length

1,85 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-05



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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879650755
Packaging unit	1
Electrical data Supply	·
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	44
Installation Connection	
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)	I
Mechanical data	
Contour for corrugated hose	without
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
Environmental characteristics Climatic	C C
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
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.



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Installation Cable	Conformity	
Cable Inferitation 803 Justice Color Violet Type of Cartification CUPTus Amount stranding 1 Stranding 2 wires invisited Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded (jints twisted Cable shelding (type) copper braid, linned Cable shelding (growing) 65 % Banding Foll Drain war (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 6 m Cable weigh 65.31 2 m Material picket PUR Shore hardness picket PUR Freedom from impredents (picket) 6.9 mm Traversing (sietang) 6.9 mm Traversing in sietalism FE Practicum from impredents (picket) 6.9 mm Outer-damenter (picket) 6.9 mm Dutar damenter insulation 2.1 mm Outer damenter insulation 2.4 5 Shroro D Impredent freeness wire insulation 2.4 3 Shroro D	•	DINI EN 64076 0 404 (M40)
Cable identification 803 Jacklet Color violet Type of Certificate CUPUs Amount stranding 1 Stranding (Type 2) 1 Stranding (Type 2) 2 Strande joints twisted Gable shielding (type) coppor braid, finned Gable shielding (type) coppor braid, finned Gable shielding (coverage) 65 % Banding Foll Drain wire (coss-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Sale weight 63,12 g/m Markenial jacket PUR Store hardness (asket) 90 t 5 Shore A Store hardness (asket) 90 t 5 Shore A Store hardness (asket) 90 t 5 Shore A Tockers out wire (asket) 5 5 m Matiental wire insulation PE Amount wires 2 Outer dismoter (release) 2 1 mm Outer dismoter (release section) 22 AWG Marterial wire insulation (asket) 25 % Drain w		DIN EN 61076-2-101 (M12)
Jacket Color Violet Viol	Installation Cable	
Type of Certificate cURus Ancount stranding 1	Cable identification	803
Amount stranding 1 Stranding (type 2) 2 Stranding (type 2) 3 Stranding (type 2) 3 Stranding (type 2) 4 Stranding (type 2) 5 Stranding (type 2) 6 Stranding (type 3) 6 Stranding (type 3) 6 Stranding (type 3) 6 Stranding (type 4) 6	Jacket Color	violet
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Cable shelding (type) copper braid, tinned Cable shelding (coverage) 6.5 % Banding Foil Drain wire (cross-section) 2.2 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weight 63.12 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) 1.5 % Curer-disameter (jacket) 6.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter insulation 2.1 mm Outer diameter insulation 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation 64 ± 2 Shore D Ingredient freeness wire insulation 19 24 AWG Conductor cross-section (wire) 24 AWG Conductor cross-section (wire) 24 AWG Drain wire (cross-section) 22 AWG Material function wire Copper stranded wire, tinned <	Amount stranding (type 2)	
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Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Outer diameter insulation 2,1 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material duriculor wire (cross-section) 22 AWG Auterial wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 2,5 mm Ingredient freeness wire insulation (Data) 2 AWG Ingredient freeness wire (Data) 2 AWG Ingredient freeness wire (Data) 2 AWG Conductor crosssection wire (Data) 2 AWG Current load capacity min. Wire (Data) 6 A Electrical function wire (Data) 70 AWG 1 MHz Electrical function wire (Data) 1 AWG 1 MHz	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) ± 53 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Characteristic impedance 120 Ω±10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km	Diameter of single wires	24 AWG
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Material wire insulation (Data)PEOuter diameter wire insulation (Data)1,5 mmTolerance outer diameter wire insulation (data) \pm 53 %Ingredient freeness wire insulation (Data)lead-free, CFC-free, halogen-freeAmount wires (Data)2Amount strands wire (Data)19Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wire (data)PowerCharacter load capacity min. Wire (Data)70 AugCharacteristic impedance120 $\Omega \pm$ 10 % @ 1 MHzElectrical resistance line constant wire78 Ω /km	Material conductor wire	copper stranded wire, tinned
Material wire insulation (Data)PEOuter diameter wire insulation (Data)1,5 mmTolerance outer diameter wire insulation (data) \pm 53 %Ingredient freeness wire insulation (Data)lead-free, CFC-free, halogen-freeAmount wires (Data)2Amount strands wire (Data)19Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wire (data)PowerCharacter load capacity min. Wire (Data)70 AugCharacteristic impedance120 $\Omega \pm$ 10 % @ 1 MHzElectrical resistance line constant wire78 Ω /km	Electrical function wire	Data
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Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$	Amount wires (Data)	2
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Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire Data Electrical function wire (data) Power Characteristic impedance 120 $\Omega \pm 10$ % @ 1 MHz Electrical resistance line constant wire 78 Ω /km	Diameter of single wires (Data)	22 AWG
Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) $6 A$ Electrical function wire Data Electrical function wire (data) Power Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$	Conductor crosssection wire (Data)	22 AWG
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Electrical function wire (data) Power Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$		
Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega \text{/km}$	Electrical function wire (data)	
Electrical resistance line constant wire 78 Ω/km	, ,	
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	Electrical resistance coating wire (Data)	54 Ω/km



AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min