

M12 male 0° / M12 female 0° B-cod. shielded

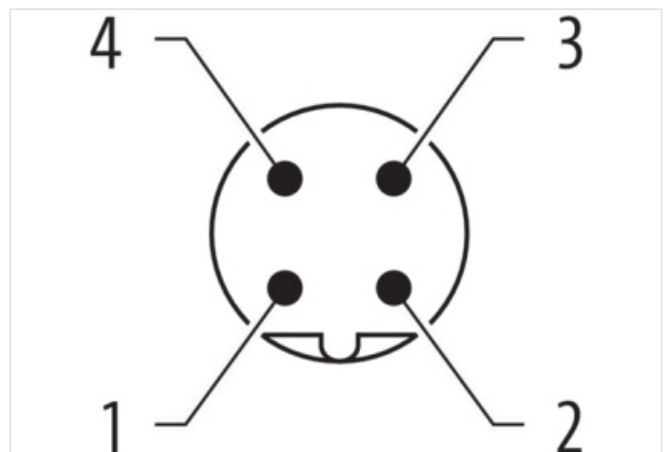
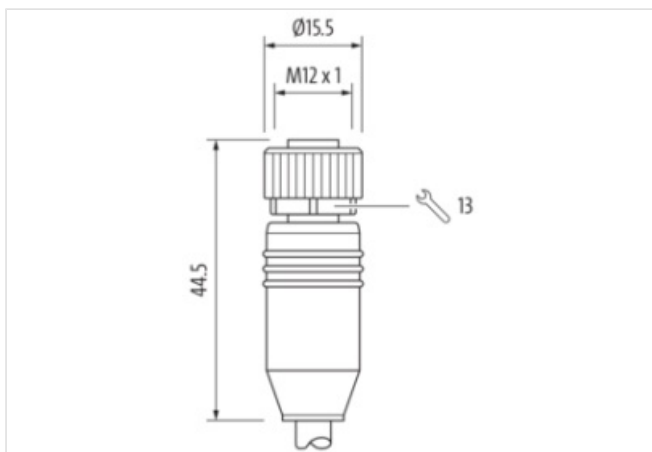
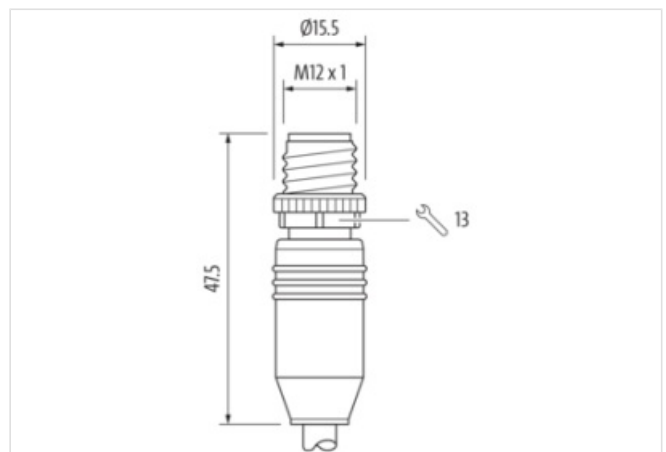
PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.2m

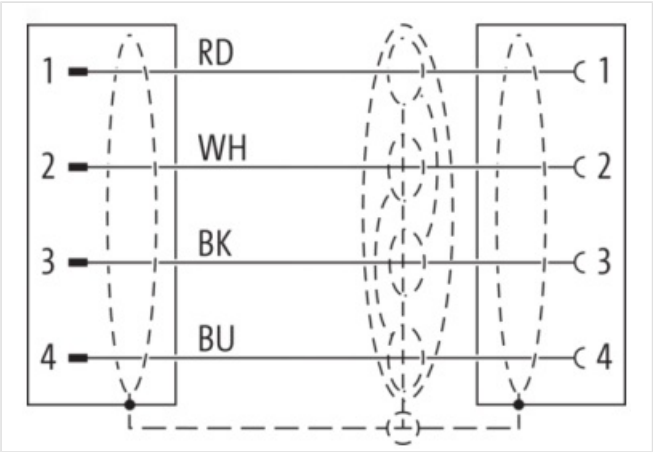
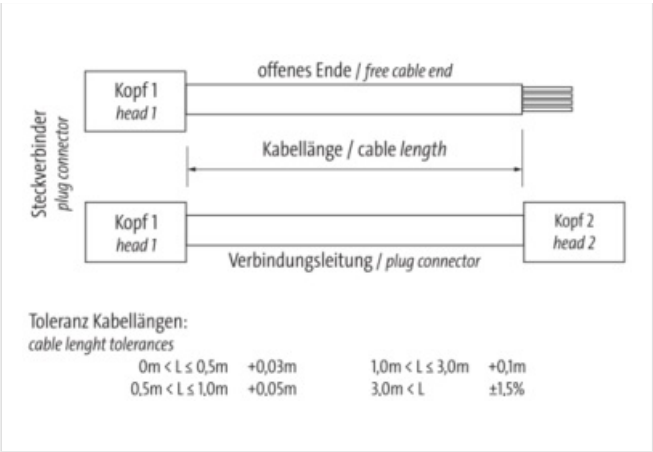
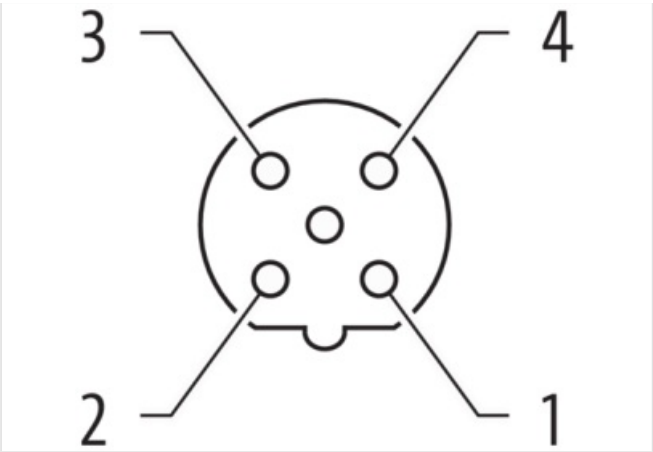
Art.No.: 7000-44032-8030020

Weight: 0.042

Country of origin: CZ

Model designation: MSBBL0-BA-T803_0.2

[Link to Product](#)**Illustration**



Product may differ from Image



Side 1	
Family construction form	M12
No. of poles	4
Coding	B
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	M12
No. of poles	4
Coding	B
Gender	female

Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-44032-8030020
EAN	4048879141857

Electrical data | Supply

Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V

Diagnostics

Status indication LED	no
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
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
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Mechanical data | Material data

Material screw connection	Zinc die-casting
Coating of fitting	nickel plated

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

Function cable	Hybrid, Data, Power
Amount stranding	2
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Stranded joints
Cable shielding (type)	copper braid, tinned

Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
Wire arrangement	(, white, blue,), black, red
Cable weight	63.12 g/m
Drain wire (cross-section)	22 AWG
Material wire insulation (type 2)	PE
Outer diameter wire insulation (type 2)	2.1 mm
Tolerance outer diameter wire insulation (type 2)	± 0.05 mm
Shore hardness wire insulation (type 2)	65
Ingredient freeness wire insulation (type 2)	CFC-free, halogen-free, lead-free
Amount wires (type 2)	2
Amount strands wire (type 2)	19
Diameter of single wires (type 2)	36 AWG
Conductor crosssection wire (type 2)	24 AWG
Material conductor wire (type 2)	copper stranded wire, tinned
Material wire insulation (type 3)	PE
Outer diameter wire insulation (type 3)	1.5 mm
Tolerance outer diameter wire insulation (type 3)	± 0.05 mm
Shore hardness wire insulation (type 3)	65
Ingredient freeness wire insulation (type 3)	CFC-free, halogen-free, lead-free
Amount wires (type 3)	2
Amount strands wire (type 3)	19
Diameter of single wires (type 3)	22 AWG
Wire conductor cross section (type 3)	22 AWG
Material conductor wire (type 3)	copper stranded wire, tinned
Outer-diameter (jacket)	6.9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	89
Freedom from ingredients (jacket)	CFC-free, halogen-free, lead-free
Conductor resistance (wire type 2)	78 Ω/km @ 20 °C
Conductor resistance (wire type 3)	54 Ω/km @ 20 °C
Electric capacitance	40,000 pF/km
Isolation resistance	5,000 MΩ × km
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
AC withstand voltage power (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (type 2)	3 A
Current carrying capacity min. wire (type 3)	6 A
Characteristic impedance	120 Ω 10 %
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Bending radius (fixed)	6 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	1 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C

The information in this Product-PDF has been compiled with the utmost care.

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Acceleration (C-track)

5 m/s² @ 25 °C