

M8 male 0° / M8 female 0° B-cod.

PUR 5x0.25 bk UL 10m

Art.No.: 7000-89301-6951000

Weight: 0.130 kg

Country of origin: CZ

Model designation: MSBFL0-H-U695_10.0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

Product details:

Male straight – female straight

M8, 5-pole

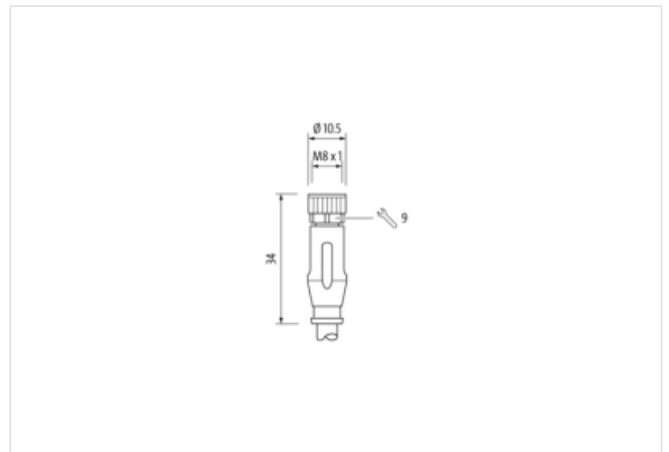
B-coded

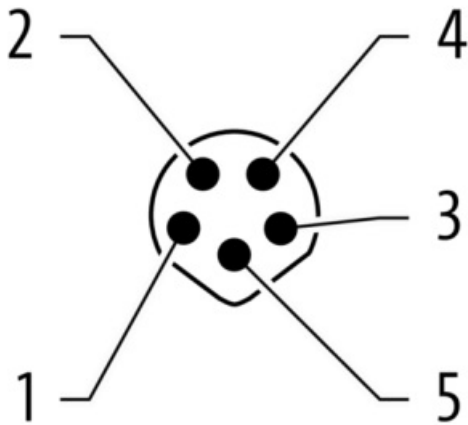
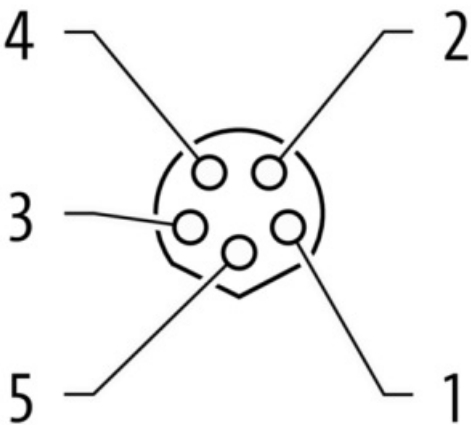
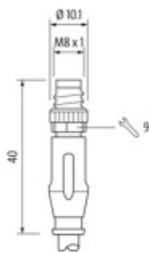
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

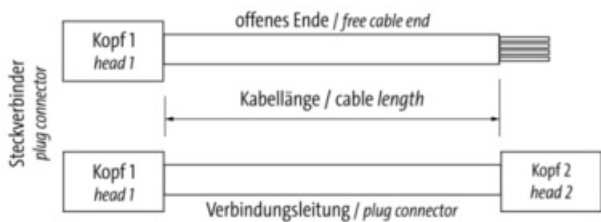
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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



1	BN	1
2	WH	2
3	BU	3
4	BK	4
5	GY	5



Toleranz Kabellängen:
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%



Product may differ from Image



Cable length 10,00 m

Side 1

Family construction form M8

No. of poles	5
Coding	B
Gender	male
Mounting method	inserted, screwed
Threaded hole	M8 x 1
Tightening torque	0,4 Nm
Width across flats	SW9
Cable outlet	straight
Material contact	Copper alloy
Coating contact	gold plated

Side 2

Family construction form	M8
No. of poles	5
Coding	B
Gender	female
Mounting method	inserted, screwed
Threaded hole	M8 x 1
Tightening torque	0,4 Nm
Cable outlet	straight
Material contact	Copper alloy
Coating contact	gold plated

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-89301-6951000
GTIN	4048879736268
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060311
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879736268
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V

Current operating per contact max. 3 A

Diagnostics

Status indication LED No

Installation | Connection

Mating cycles min. 100

Device protection | Electrical

Degree of protection (EN IEC 60529) IP67

Additional condition protection degree inserted, screwed

Pollution Degree 3/2

Insulation resistance min. 100 mΩ

Mechanical data | Material data

housing TPU

Locking material Zinc die-casting

Coating locking Nickeled

Gasket FKM

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -30 °C

Operating temperature max. 80 °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.

Installation | Cable

Cable identification 695

Cable weight 20 g/m

UL AWM Style 20549 / 10493

Stranding 1 × 5 wires around core filler twisted

Wire arrangement BN, WH, BU, BK, GY

Material wire insulation PP

Amount wires 5

Outer diameter insulation 1.2 mm ± 0.03 mm

Conductor crosssection (wire) 0,25 mm²

Material conductor wire Stranded copper wire, bare

Core construction (wire) 32 × 0.1 mm

Ingredient freeness wire insulation lead-free, CFC-free, halogen-free

Material jacket TPE-U

Outer-diameter (jacket) 4.7 mm ± 5 %

Jacket Color black / RAL 9005

Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free

Conductor resistance (wire) 58 Ω/km @ 20 °C

Nominal voltage max. 300 V

Withstand voltage (wire - wire) 3 kV @ 60 s

Withstand voltage (wire - jacket) 3 kV @ 60 s

Current load capacity max. (wire) 3,4 A

Current load capacity (standard) to DIN VDE 0298-4

Operating temperature (static) -25 °C ... 80 °C

Flame resistance UL 1581 § 1060, UL 1581 § 1080

Other resistances resistant to hydrolysis, resistant to microbes

Notes	application-related testing
Bending radius (fixed)	7.5 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	4.5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	5 m/s² @ 25 °C