

## Valve connector, housing style BI, 2+PE, sensor-/actuator cable



- 1 > BN
- 2 > BU
- ⊕ > GN/YE



### Product data

Item description	VBI21-230.0-m/S370
Item-No.	V0003191
Länge	on demand
Customs tariff-No.	85444290
Step-File	VBI21.stp

### Technical data

Connector	female, angled, Valve BI
Number of pins	2+PE
Pin assignment	1 BN, 2 BU, PE: GNYE
Rated voltage	230V <sub>AC/DC</sub>
Current load per pin (at 40°C)	10A
Insulation resistance	≥10 <sup>9</sup> Ω
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuZn, silver-plated
Contact-carrier material	Plastic, PA, BK
Grip body material	Plastic, TPU, BK
Sealing (female) material	Plastic, TPU
Protection circuit	without
Fixing screw	Metal, CuZn, nickel-plated
Housing style	BI
Standards	DIN EN 175301-803
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3
Style	angled

<b>Cable web</b>	<b>PUR, UL, S370</b>
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Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket	5.7 +/- 0.2 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	3 x 0.75 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	BN, BU, GNYE
Wire structure	42 x 0,15 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-30°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Temperature range (drag chain)	-25°C...+60°C
Drag chain-application	2 Mio. cycles
Halogen-free	Yes
Torsion	+/-180°/m, < 1 Mio. cycles
Rated voltage cable	≤300 V
Special features	flame retardant, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant

<b>Classification</b>
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eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060312
ETIM 5.0	EC001855
ETIM 6.0	EC001855

<b>Accessories</b>
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Labels, Valve connector  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047109>

Fixing screw  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8060907>