



Cable plug, form B according to industry standard

- Degree of protection IP65
- Numerous variants



Product variants described in the data sheet may differ from the product presentation and description.

Type description

Plug connection for connecting electrical components according to industry standard Form B.

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "3. Dimensions" on page 4.
Material	
Flat seal	NBR
Body	Polyamide (without LED: black, with LED: transparent)
Contacts	Brass, galvanised silver-plated
Operating display	LED (red)
Cable outlet	Straight
Cable diameter	4.5...7 mm
Cable gland	PG9
Number of pins	2-pin + protective conductor
Electrical data	
Nominal voltage	0...250 V
Contact resistance	≤ 4 mΩ
Process/Port connection & communication	
Electrical connection	Terminal screws (max. 0.75 mm ² with circuitry, max. 1.5 mm ² without circuitry)
Approvals and conformities	
Degree of protection	IP65
North America (USA/Canada)	Further information can be found in chapter "2.4. North America (USA/Canada)" on page 4.
Others	Further information can be found in chapter "2.5. Others" on page 4.
Environment and installation	
Ambient temperature	- 40 °C...+ 90 °C

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

2.4. North America (USA/Canada)

Approval	Description
	<p>Optional: UL Recognized for the USA</p> <p>The products are UL Recognized for the USA according to:</p> <ul style="list-style-type: none"> UL 61010-1 (ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – Part 1: General Requirements)

2.5. Others

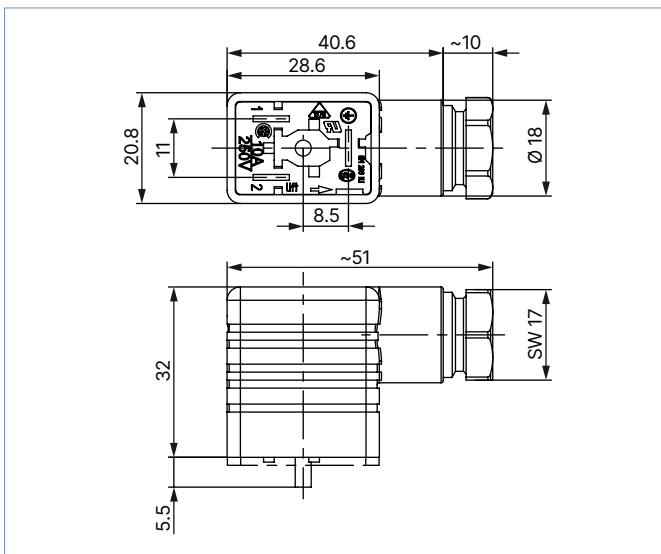
Fire protection on railway vehicles

Approval	Description
<p>DIN EN 45545</p>	<p>Optional: Fire protection on railway vehicles in accordance with DIN EN 45545 applicable parts 2 and 5: requirements for fire behaviour of materials and components</p> <p>The products comply with the fire protection requirements in accordance with applicable parts 2 and 5 of DIN EN 45545 for use in the interior of railway vehicles for operating classes 1-3 (OC1-3) in conjunction with hazard levels 1-2 (HL1-2) in accordance with the manufacturer's declaration.</p>

3. Dimensions

Note:

Dimensions in mm



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4. Product design and assembly

4.1. Product assembly without cable

Note:

The cable plug can be installed in a 180° rotation.

Assembly	Description
<p>Pressure screw</p> <p>Seal ring</p> <p>Pressure ring</p> <p>Body</p> <p>Contact insert</p> <p>Flat seal</p> <p>Tallow-drop screw M3 x 35</p>	<ul style="list-style-type: none"> • Remove contact insert • Insert cable through pressure screw • Wire cable according to connection plan • Snap in contact insert • Screw-on union nut • Push gasket on tag connectors • Push cable plug firmly onto tags • Secure with tallow-drop screw M3 x 35

5. Ordering information

5.1. Bürkert eShop



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5.2. Bürkert product filter



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5.3. Ordering chart

Note:

The delivery of the cable plug includes a flat seal and a fixing screw.

Circuit diagram	Operating voltage [V/Hz]	Continuous current [A]	Article no. without cable
Without circuitry			
	0...250 V AC/DC	Max. 6 A	423845 ¹⁾
With LED			
	24 V AC/DC	Max. 6 A	423849
	250 V AC/DC	Max. 6 A	423850
With LED and freewheeling diode			
	24 V/DC	Max. 1.5 A	423851

1.) The Article no. 423845 has UR approval.

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