bürkert
FLUID CONTROL SYSTEMS

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, tin-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	≤ 10 mΩ
Product connections	
Electrical connection	Terminal screws (0,25 mm^2...1,5 mm^2)
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	- 30 °C...+ 90 °C (without wiring) - 30 °C...+ 80 °C (with wiring)

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 variants 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.

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2.4. North America (USA/Canada)

Approval	Description
c UL us	**Optional: UL Recognized for the USA and Canada** The products are UL Recognized for the USA and Canada according to: • UL 1977, Edition 4, Issue Date 2022-12-07, ECBT2 - Connectors for Use in Data, Signal, Control and Power Applications - Component • CSA C22.2 No. 182.3, 2nd Ed, Issue Date: 2016-07, Revision Date: 2021-5; ECBT8 - Connectors for Use in Data, Signal, Control and Power Applications Certified for Canada - Component

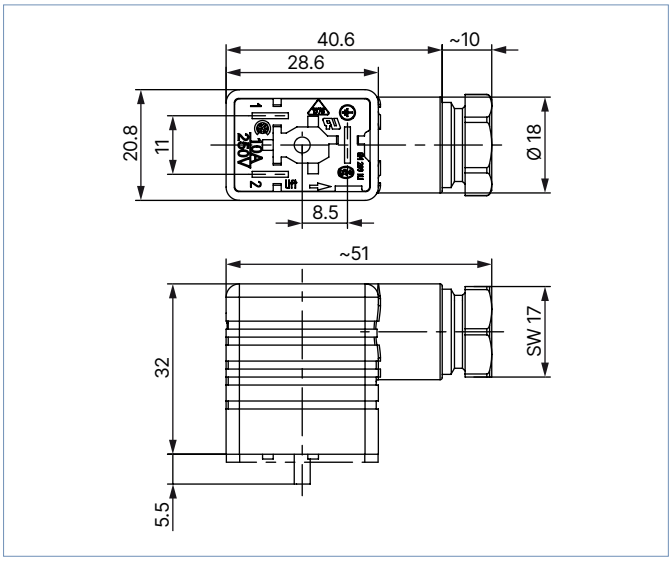
2.5. Others

Fire protection on railway vehicles

Approval	Description
DIN EN 45545	**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** 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.

3. Dimensions

Note:
Dimensions in mm



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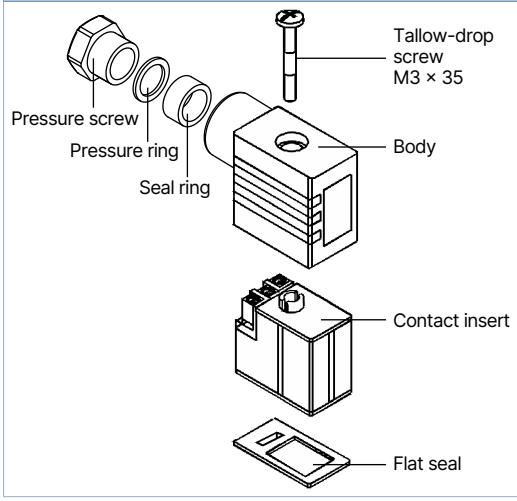
4. Product design and assembly

4.1. Product assembly without cable

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

Assembly	Description
	• 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 × 35

5. Ordering information

5.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

5.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
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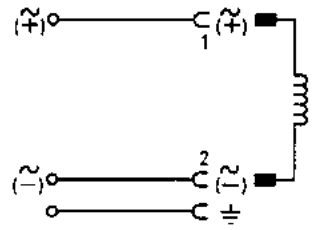
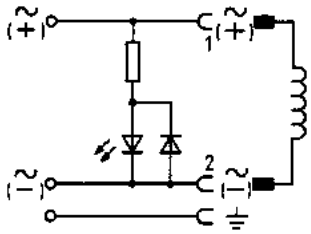
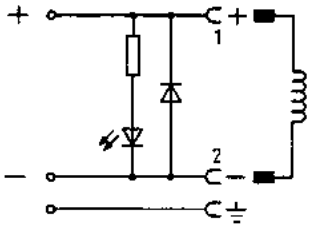
5.3. Ordering chart

Note:
The delivery of the cable plug includes a flat seal and a fastening screw.

Circuit diagram	Operating voltage [V/Hz]	Continuous current [A]	Article no. without cable
Without wiring			
	0...230 V AC/DC	Max. 16 A	423845 1.)
With LED			
	24 V AC/DC	Max. 8 A	423849
	230 V AC/DC	Max. 8 A	423850
With LED and freewheeling diode			
	24 V DC	Max. 8 A	423851

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

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