

Technical data sheet

Actuator sensor interface · RJ45 panel connector with hinged lid

RJ45 panel connector for front installation PG21, shielded

Female / Cable can be assembled yourself / 180° / 1:1

Cat 6A



Identification

Type	RJ45 F/R 180° Cat.6A PC
Part No.	493080

Product version

Datasheet version	00
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Use/Application/Properties

Application	• Service interface for control cabinets and control panels
Properties	• Very compact and durable design • Transparent hinged lid, locks in place when opened • High protection class IP69 • Straight connector 180° • RJ45 socket with self-terminating cable connection • Installation depth approx. 70 mm • Can be sealed with a lead seal • Can be labeled with a description plate

General

Design	RJ45
Form male 1	RJ45 Female
Form male 2	Cable can be assembled yourself / TIA 568B
Degree of pollution	3
Insulation resistance	>500 MΩ
Contact resistance	<20 mΩ
Degree of protection	IP65/67/68/69 in closed and IP20 in inserted position
Housing material	PC, Zinc die-casting

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

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Contact material	CuSn, gold-plated
Mounting	Front installation
Installation depth	approx. 70 mm
Strand diameter	0.9 mm – 1.6 mm
Cable diameter	max. 9 mm
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	31.0 mm × 53.0 mm × 44.5 mm
Mechanical service life	≥ 750 insertion cycles
Cross-section, metric	0.14–0.75 mm ²
Cross-section AWG	27–22/7, 26–22/1
Connection type	Compliant terminal
Weight/unit	0.05 kg
PU (units)	1

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Rated voltage U _N	AC/DC 24 V
Max. Power PoE	PoE+ 30 W The following standards for PoE are met: IEEE 802.3af (PoE) IEEE 802.3at (PoE+)
Operating voltage max.	50 V
Rated current	Max. 1 A
Pole number	8
Bandwidth	500 MHz
Transfer rate	10 Gbit/s
Category	Cat. 6A, Class EA
Contact type	1 : 1

Certifications/Standards

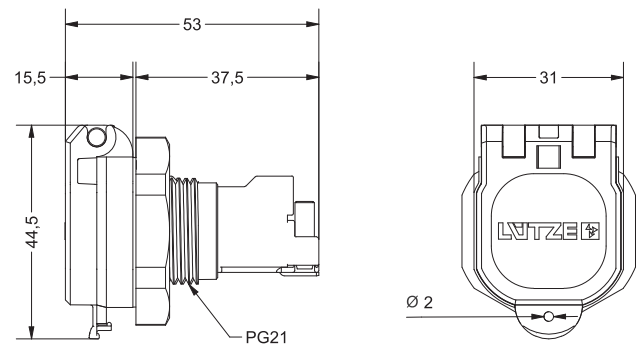
Standards	DIN EN 50173-1 Generic cabling systems IEC 60603-7-51 Cat. 6A, Class EA acc. ISO/IEC 11801 IEEE 802.3.1:2013 IEEE 802.3:2018 IEEE 802.3bt:2018
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Equipment/Spare parts

Accessories

Not included in the delivery:
Labelling sign 5×5 mm, white: Part.-No. 716431 | LOCC-Box-BZW 7-6431 |
PU: 1 unit (200 tabs)

Dimensions



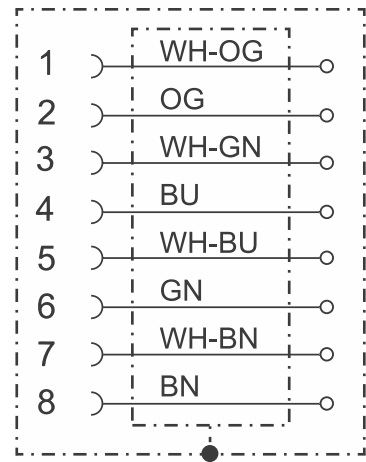
Connection assignment

RJ45

	TIA 568A	TIA 568 B	Profinet
1	WHGN	WHOG	YE
2	GN	OG	OG
3	WHOG	WHGN	WH
4	BU	BU	-
5	WHBU	WHBU	-
6	OG	GN	BU
7	WHBR	WHBR	-
8	BR	BR	-

PIN assignment

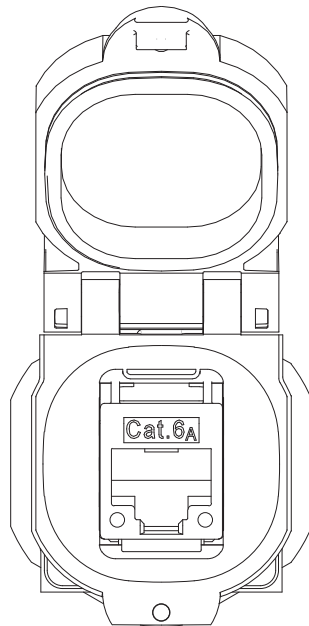
RJ45 female
Ethernet T568B



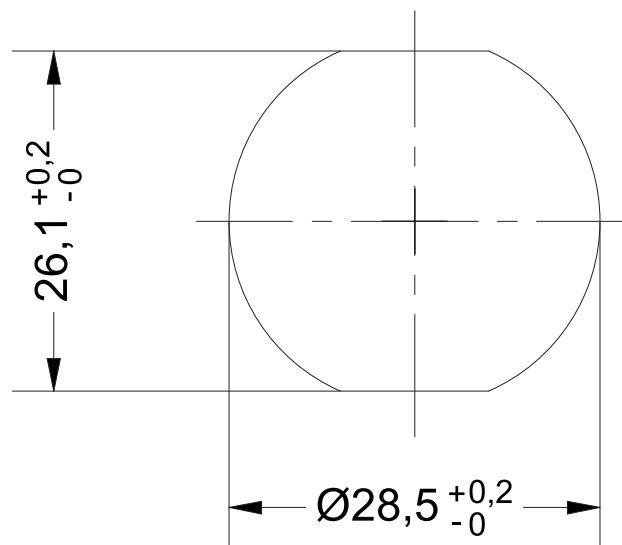
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Front view



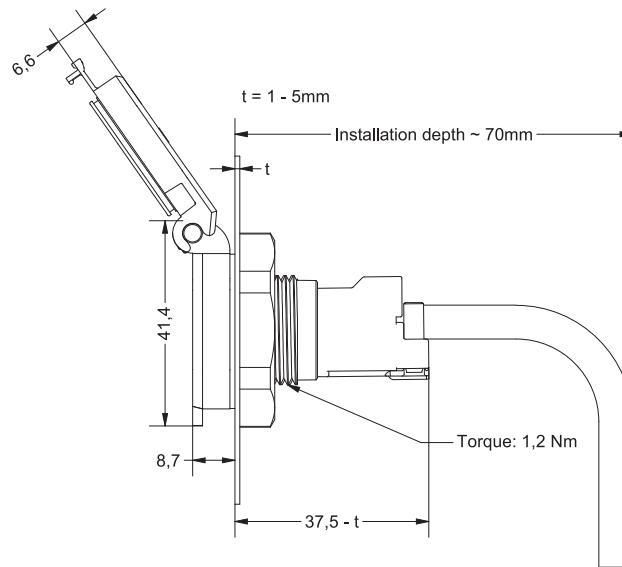
Mounting diagram



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Mounting diagram



Pin layout

RJ45 female

1 2 3 4 5 6 7 8

