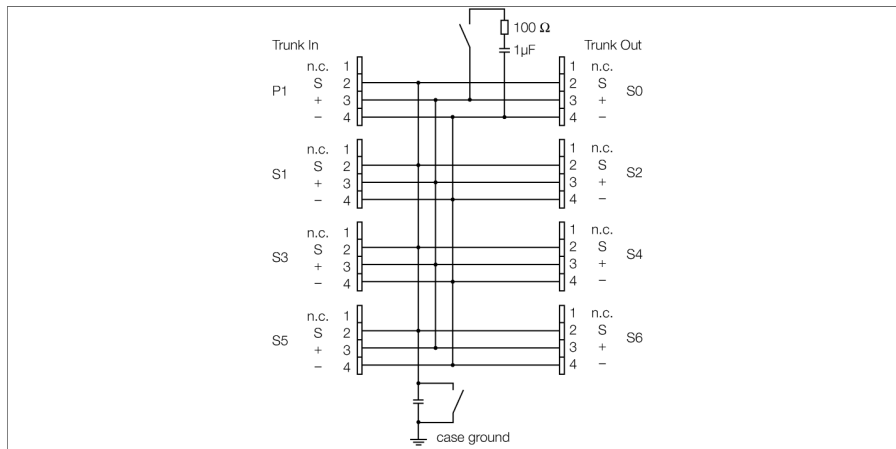


PROFIBUS-PA

IP67 junction box, 6-channel

JBBS-48-T615B/EX



The 6-channel Ex junction box JBBS-48-T615B/EX is designed for PROFIBUS-PA systems.

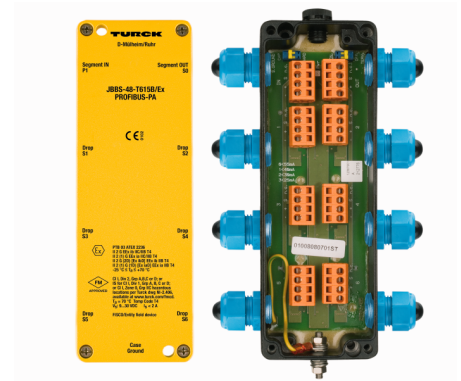
The housing is made of powder-coated die-cast aluminium and is IP67 rated.

The junction box is equipped with an activatable terminating resistor for the bus. The switch is integrated in the housing on the board.

Condensation in the housing is prevented by a breather.

Shielding and housing can be connected directly via a second switch which is also located on the board.

Note: It must be ensured that there is sufficient equipotential bonding in the system. The device is connected to the equipotential bonding via the housing's M5 x 1 grounding bolt.



- Entity and FISCO compliant according to IEC 60079-11
- Junction box for wall mounting with PVC cable glands M20 x 1.5
- Integrated terminating resistor (activatable)
- Cable shielding: Capacitive or direct connection to housing potential selectable via switch
- Isolated support terminal for optional protective conductor incorporated in cable
- Powder-coated die-cast aluminium housing
- Pressure compensation element protects against condensation
- Connection of the housing potential via M5 x 1 bolt

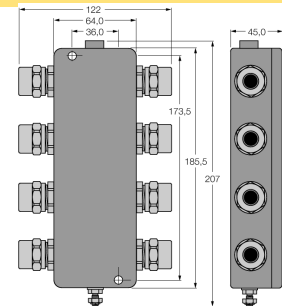
PROFIBUS-PA

IP67 junction box, 6-channel

JBBS-48-T615B/EX

Type designation	JBBS-48-T615B/EX
Ident-No.	6611423
Fieldbus standard	IEC 61158-2
Operating voltage range	9...32 VDC
Ex approval acc. to conformity certificate	PTB 03 ATEX 2236
Device designation	Ex II 2 G Ex ib IIC T4 Gb
Device marking	Ex II 2 (1) G Ex ia [ia Ga] IIC T4 Gb Ex II 2 (1D) G Ex ia [ia IIIC Da] IIB T4 Gb Ex II 2 (2D) G Ex ib [ib IIIC Db] IIB T4 Gb FISCO / Entity field device
Entity Parameter	
Max. output voltage U_o	$\leq 24 \text{ V}$
Max. output current I_o	$\leq 250 \text{ mA}$
Max. output power P_o	$\leq 2560 \text{ mW}$
Max. input voltage U_i	$\leq 24 \text{ V}$
Max. input current I_i	$\leq 250 \text{ mA}$
Max. input power P_i	$\leq 2560 \text{ mW}$
FISCO parameter according to IEC 60079-11	
Max. output voltage U_o	$\leq 17.5 \text{ V}$
Max. output current I_o	$\leq 380 \text{ mA}$
Max. output power P_o	$\leq 5320 \text{ mW}$
Max. input voltage U_i	$\leq 17.5 \text{ V}$
Max. input current I_i	$\leq 380 \text{ mA}$
Max. input power P_i	$\leq 5320 \text{ mW}$
External inductance/capacitance L/C,	trunk (in/out): negligible / $\leq 5.00 \text{ nF}$ per field circuit: negligible / $\leq 0.82 \text{ nF}$ Σ Field circuits: negligible / $\leq 5.00 \text{ nF}$
Electrical connection	Cable gland
Segment IN	1 x M20 x 1.5 ($\varnothing$ 7...13 mm)
Segment OUT	1 x M20 x 1.5 ($\varnothing$ 7...13 mm)
Spur line	6 x M20 x 1.5 ($\varnothing$ 7...13 mm)
Terminal cross-section	0.2...2.5 mm ² (24 ... 13 AWG)
Earthing bolt	M5 x 1
Protection class	IP67
MTTF	705 years acc. to SN 29500 (Ed. 99) 40 °C
Ambient temperature	-40...+70 °C
Housing material	Powder-coated die-cast aluminium
Housing color	Black/Yellow
Dimensions	64 x 150 x 45 mm
Connection mode	Wall mounting

Dimensions



Terminal assignment



- 1 = n.c.
- 2 = Shield
- 3 = +
- 4 = -