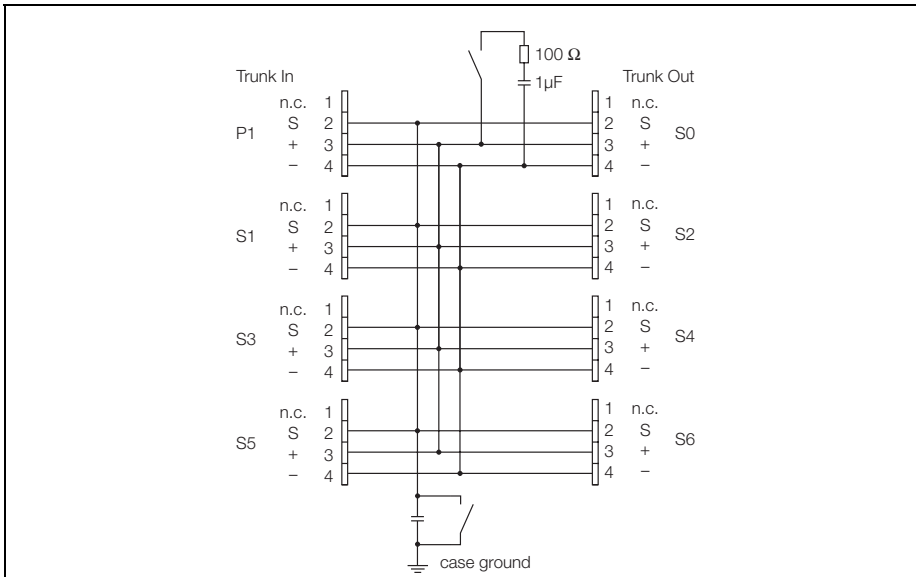


**FOUNDATION™ fieldbus  
IP67 junction box, 6-channel  
JBBS-49-T615B/EX**



The 6-channel Ex-junction module JBBS-49-T615B/EX is designed for FOUNDATION™ fieldbus systems.

The housing is made of robust die-cast aluminium and features protection degree IP67.

The junction box is equipped with a selectable bus terminating resistor. The according switch is integrated in the housing on the board.

To avoid condensation build-up in the hou-

sing, the devices are equipped with a condensate drain.

The shield is capacitively coupled to the housing potential. A switch for direct coupling of the shield and housing is implemented.

**Attention:** Sufficient equipotential bonding of the installation must be ensured. The device is connected via the bolt of the housing to the system's potentializer.



- Entity and FISCO compliant according to IEC TS 60079-27
- junction module for wall mounting with PVC cable glands M20 x 1.5
- powder-coated die-cast aluminium housing
- pressure compensation element for protection against condensation water
- connection of the housing potential via an M5 x 1 bolt
- For Ex applications: -25...+70 °C (-13...+158 °F); for non-Ex applications: -40...+70 °C (-40...+70.00 °C)
- integrated terminating resistor (switch-in)
- cable shielding: capacitive or direct connection to housing potential selectable via switch
- isolated support terminal for optional protective conductor incorporated in cable

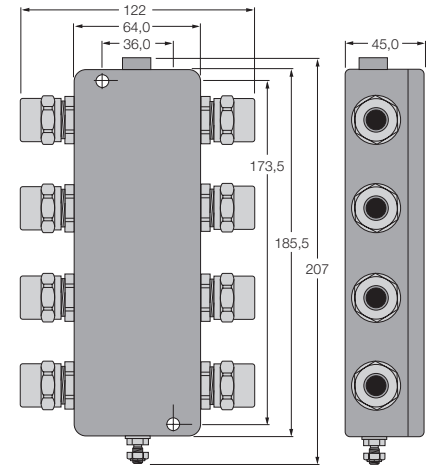
# FOUNDATION™ fieldbus

## IP67 junction box, 6-channel

### JBBS-49-T615B/EX

<b>Type</b>	JBBS-49-T615B/EX
Ident-No.	6611447
<b>Fieldbus standard</b>	IEC 61158-2
<b>Operational voltage range:</b>	9 ... 32 VDC
<b>Ex approval acc. to conformity certificate</b>	PTB 03 ATEX 2236
Entity Parameter	
Max. output voltage $U_o$	$\leq 24$ V
Max. output current $I_o$	$\leq 250$ mA
Max. output power $P_o$	$\leq 2560$ mW
Max. input voltage $U_i$	$\leq 24$ V
Max. input current $I_i$	$\leq 250$ mA
Max. input power $P_i$	$\leq 2560$ mW
FISCO parameter according to IEC TS 60079-27	
Max. output voltage $U_o$	$\leq 17.5$ V
Max. output current $I_o$	$\leq 380$ mA
Max. output power $P_o$	$\leq 5320$ mW
Max. input voltage $U_i$	$\leq 17.5$ V
Max. input current $I_i$	$\leq 380$ mA
Max. input power $P_i$	$\leq 5320$ mW
External inductance/capacitance $L_i/C_i$	trunk (in/out): negligible / $\leq 5.00$ nF per field current circuit: negligible / $\leq 0.47$ nF $\Sigma$ field current circuits: negligible / $\leq 5.00$ nF
Device designation	Ⓜ II 2 G EEx ib IIC/IIB T4 Ⓜ II 2(1) G EEx ia IIC/IIB T4 Ⓜ II 2 G (2D) [Ex ibD] EEx ib IIB T4 Ⓜ II 2 (1) G (1D) [Ex iaD] EEx ia IIB T4 FISCO / Entity field device
<b>Electrical connection</b>	cable glands
Segment IN	1 x M20 x 1.5 (Ø 6...12 mm)
Segment OUT	1 x M20 x 1.5 (Ø 6...12 mm)
Drop line	6 x M20 x 1.5 (Ø 6...12 mm)
Terminal cross-section	2.5 mm <sup>2</sup>
Earthing bolt	M5 x 1
<b>Degree of protection</b>	IP67
Ambient temperature	-25 ... + 70 °C
Housing material	powder-coated die-cast aluminium
Housing colour	black/yellow
Dimensions	64 x 185.5 x 45 mm
Connection mode	wall mounting

### Dimensions



### Terminal Configuration

□□□□	1 = n.c.
○○○○	2 = shield
1 2 3 4	3 = +
	4 = -