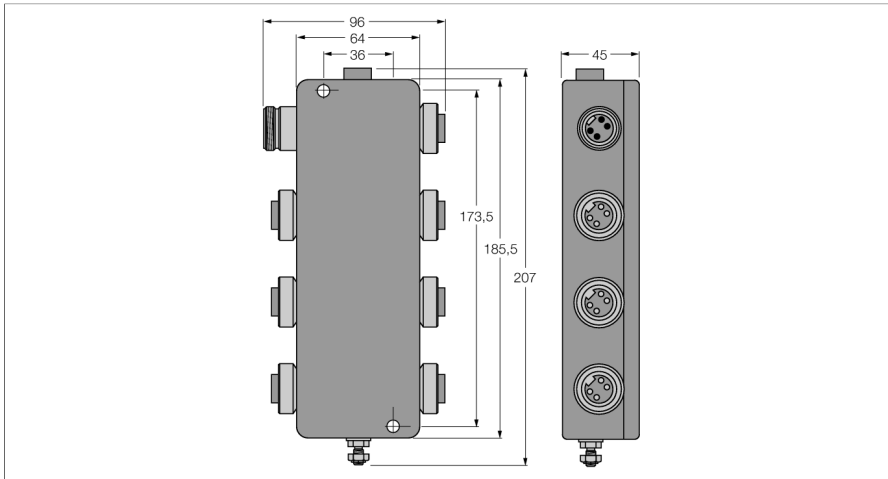
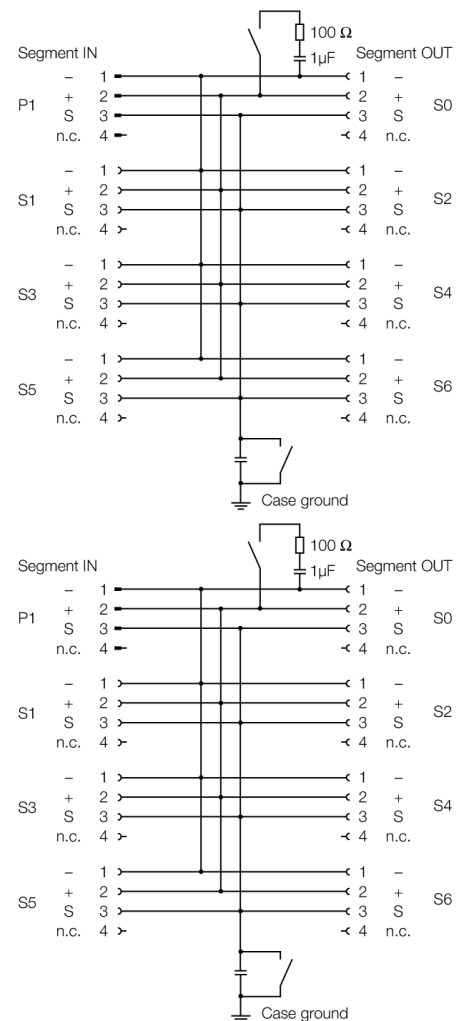


# FOUNDATION fieldbus IP67 junction box, 6-channel JBBS-49-M613/EX



- Junction box for wall mounting with stainless steel 7/8" flange connections
- 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
- Entity and FISCO compliant according to IEC 60079-11

ID	6611431
Textmodule for individual datasheets!!! Don't translate!!!	The 6-channel Ex junction box JBBS-49-M613/EX is designed for FOUNDATION™ fieldbus systems.
Textmodule for individual datasheets!!! Don't translate!!!	The housing is made of powder-coated die-cast aluminium and is IP67 rated.
Textmodule for individual datasheets!!! Don't translate!!!	The junction box is equipped with an activatable terminating resistor for the bus. The switch is integrated in the housing on the board.
Textmodule for individual datasheets!!! Don't translate!!!	Condensation in the housing is prevented by a breather.
Textmodule for individual datasheets!!! Don't translate!!!	Shielding and housing can be connected directly via a second switch which is also located on the board.
Textmodule for individual datasheets !!! Don't translate!!!	<b>Note:</b> 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.
Fieldbus standard	IEC 61158-2
Operating voltage	9...32 VDC



	II 2 (2D) G
Ex approval acc. to conformity certificate	PTB 03 ATEX 2236
Device designation	Ⓢ II 2 G Ex ib IIC T4 Gb
Device marking	Ⓢ II 2 (1) G Ex ia [ia Ga] IIC T4 Gb
	Ⓢ II 2 (1D) G Ex ia [ia IIIC Da] IIB T4 Gb
	Ⓢ II 2 (2D) G Ex ib [ib IIIC Db] IIB T4 Gb
	FISCO / Entity field device
Entity Parameter	
Max. output voltage $U_o$	≤ 24
Max. output current $I_o$	≤ 250
Max. output power $P_o$	≤ 2560
Max. input voltage $U_i$	≤ 24
Max. input current $I_i$	≤ 250
Max. input power $P_i$	≤ 2560
FISCO parameter according to IEC 60079-11	
Max. output voltage $U_o$	≤ 17.5
Max. output current $I_o$	≤ 380
Max. output power $P_o$	≤ 5320
Max. input voltage $U_i$	≤ 17.5
Max. input current $I_i$	≤ 380
Max. input power $P_i$	≤ 5320
External inductance/capacitance L/C,	trunk (in/out): negligible / ≤ 5.00 nF per field circuit: negligible / ≤ 0.82 nF Σ Field circuits: negligible / ≤ 5.00 nF
Electrical connection	
Segment IN	7/8" receptacle
Segment OUT	1 x 7/8 "- male
Spur line	1 x 7/8 "- female
Earthing bolt	6 x 7/8 "- female connector
	M5 x 1
Protection class	
MTTF	IP67
Ambient temperature	705 acc. to SN 29500 (Ed. 99) 40 °C
Housing material	-30...+70 °C
Dimensions	Powder-coated die-cast aluminium, Black/yellow
Connection mode	64 x 185.5 x 45 mm
	Wall mounting