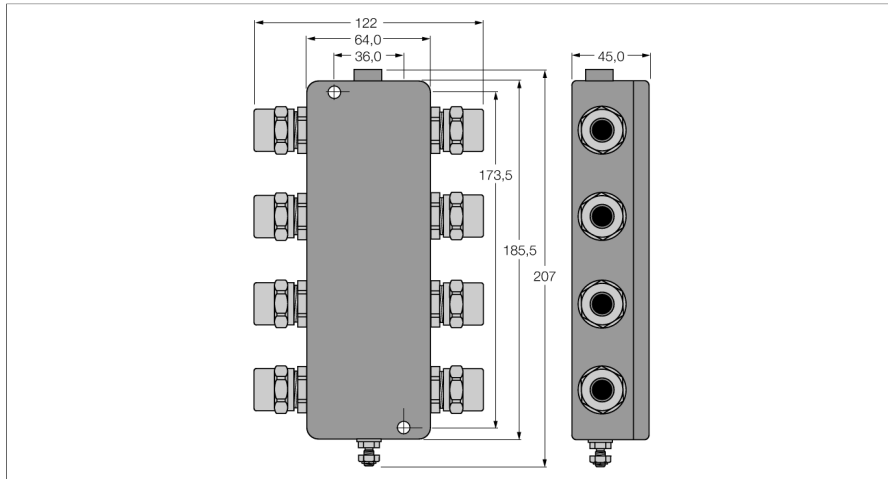
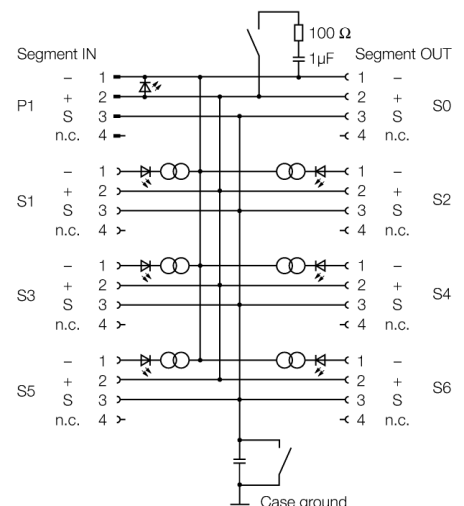
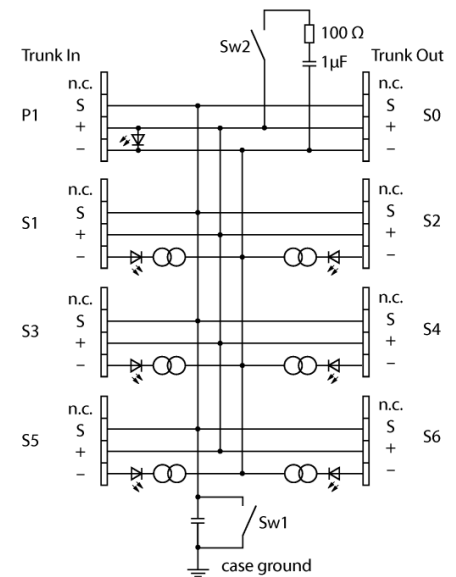


FOUNDATION fieldbus IP67 junction box, 6-channel JBBS-49SC-T615B/EX



- Junction box for wall mounting with PVC cable glands M20 x 1.5
- Short-circuit protection per drop line/spur
- 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 | 6611443 |
| Textmodule for individual datasheets!!! Don't translate!!! | The 6-channel Ex junction box JBBS-49SC-T615B/EX is designed for FOUNDATION™ fieldbus systems. |
| Textmodule for individual datasheets !!! Don't translate!!! | The junction box is equipped with an adjustable short-circuit current limiter. As maximum current limit, the following values can be selected together for all channels via a rotary coding switch: 30, 35, 45 and 60 mA. |
| 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 conected directly via a second switch which is also located on the board. |
| Textmodule for individual datasheets !!! Don't translate!!! | 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. |
| Fieldbus standard | IEC 61158-2 |
| Operating voltage | 12...32 VDC |
| Current self-consumption | ≤ 7 mA |
| Voltage drop | 0.3V |
| Short-circuit protection | ≤ 30, ≤ 35, ≤ 45, ≤ 60 mA |
| Displays/Operating elements | |
| Operational readiness | 1 x green |
| Short-circuit message | 6 x red |



| | |
|--|--|
| | II 2 (2D) G |
| 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 | ≤ 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 | 1 x M20 x 1.5 (Ø 7...13 mm) |
| Segment OUT | 1 x M20 x 1.5 (Ø 7...13 mm) |
| Spur line | 6 x M20 x 1.5 (Ø 7...13 mm) |
| Terminal cross-section | 0.2...2.5 mm ² (AWG: 24...14) |
| Earthing bolt | M5 x 1 |
| Protection class | |
| MTTF | 117 acc. to SN 29500 (Ed. 99) 40 °C |
| Ambient temperature | -40...+70 °C |
| Housing material | Powder-coated die-cast aluminium, Black/yellow |
| Dimensions | 64 x 150 x 45 mm |
| Connection mode | Wall mounting |