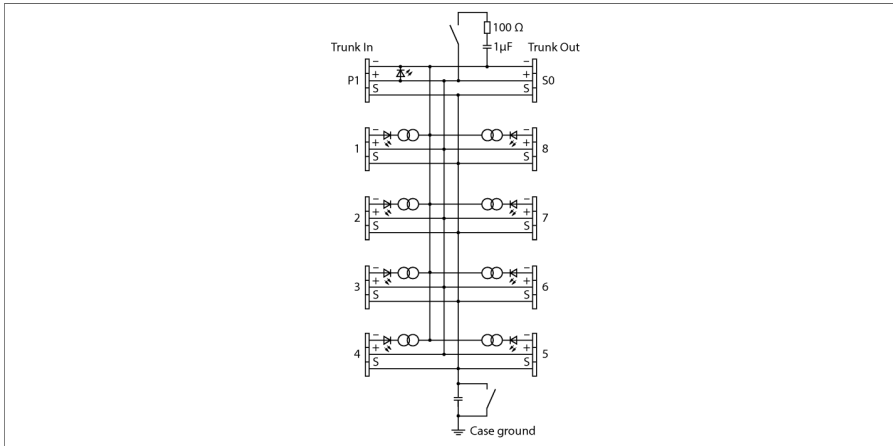


FOUNDATION fieldbus and PROFIBUS-PA IP66 Junction Box, 8-port EG-VA2020/BV68-T085/JRBS-40SC-8C/EX



The 8-channel junction box EG-VA2020/BV68-T085/JRBS-40SC-8C/EX is designed for FOUNDATION™ fieldbus systems.

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.

The stainless steel housing is IP66 rated.

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

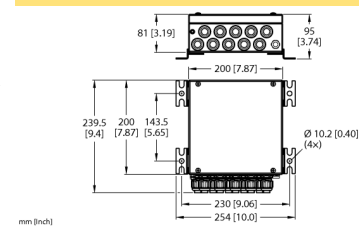
Condensation in the housing is prevented by a breather.

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

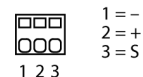
Note: It must be ensured that there is sufficient equipotential bonding in the system. The device is connected to the equipotential bonding via the housing's M5 x 1 grounding bolt.

- Junction box for wall mounting with PVC cable glands M20 x 1.5
- Short-circuit protection per drop line/spur
- Connectible terminating resistor
- Cable shielding: Capacitive or direct connection to housing potential selectable via switch
- Stainless steel housing
- Pressure compensation element protects against condensation
- Connection of the housing potential via M5 x 1 bolt

Dimensions



Terminal Assignment



| | |
|--------------------------|---|
| Type | EG-VA2020/BV68-T085/JRBS-40SC-8C/EX |
| ID | 6884281 |
| 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 |
| Operational readiness | 1 × green |
| Short-circuit message | 8 x red |
| Electrical connection | Cable gland |
| 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 | 8 x M20 x 1.5 (Ø 7...13 mm) |
| Terminal cross-section | 0.2...2.5 mm² (AWG: 24...14) |
| Earthing bolt | M5 x 1 |
| Protection class | IP66 |
| MTTF | 117 years acc. to SN 29500 (Ed. 99) 40 °C |
| Ambient temperature | -25...+60 °C |
| Housing material | Stainless steel, 1.4301 (AISI 304) |
| Wall thickness | 1.5 mm |
| Housing color | Silver |
| Dimensions | 200 x 200 x 81 mm |
| Connection mode | Wall mounting |