

## Specifications

### Technical Specifications - 1732DS-IB8XOBV4, 1732DS-IB8

| Attribute  | 1732DS-IB8XOBV4, 1732DS-IB8   |
|--|---|
| <b>Safety Input</b>                                |   |
| Input type   | Current sinking   |
| Voltage, on-state input, min                       | 11V DC  |
| Current, on-state input, min                       | 3.3 mA  |
| Voltage, off-state input, max                      | 5V DC   |
| Current, off-state, max                            | 1.3 mA  |
| IEC 61131-2 (input type)                           | Type 3  |
| <b>Pulse Test Output</b>                           |   |
| Output type  | Current sourcing  |
| Pulse test output current                          | 0.7 A   |
| Residual voltage, max                              | 1.2V  |
| Output leakage current, max                        | 0.1 mA  |
| Short circuit protection                           | Yes   |
| Current, max                                       | 25 mA - Current, max (to avoid fault when used as a muted lamp output)                        |
| Current, min                                       | 5 mA - Current, min (at which fault indication is generated when used as a muted lamp output) |
| <b>Safety Output (1732DS-IB8XOBV4 module only)</b> |   |
| Output types                                       | Current sourcing/current sinking - bipolar pair   |
| Output current rating                              | 2 A max per point<br>8 A total module @ 40 °C (104 °F)<br>6 A total module @ 60 °C (140 °F)   |
| On-state voltage drop                              | ±0.6V   |
| Leakage current                                    | ±1.0 mA <sup>(1)</sup>  |

**Technical Specifications - 1732DS-IB8XOBV4, 1732DS-IB8**

| <b>Attribute</b>                         | <b>1732DS-IB8XOBV4, 1732DS-IB8</b>                      |
|--|---|
| Internal resistance from P to M terminal | 3.25 k $\Omega$   |
| Short circuit detection                  | Yes (short high and low and cross-circuit fault detect) |
| Short circuit protection                 | Electronic  |
| Aggregate current of outputs per module  | 8 A @ 40 °C (104°F)<br>6 A @ 60 °C (140 °F)             |
| Pilot duty rating                        | DC-14 Pilot Duty (1732DS-IB8XOBV4 module only)          |
| Number of outputs                        | 4 dual channel  |

<sup>(1)</sup> Includes the presence of a single P stuck-high or M stuck-low short.

**General Specifications - 1732DS-IB8XOBV4, 1732DS-IB8**

| <b>Attribute</b>                   | <b>1732DS-IB8XOBV4, 1732DS-IB8</b>  |
|------------------------------------|---|
| Enclosure type rating              | Meets IP64/65/66/67/69K (when product is marked)  |
| Communication power supply voltage | 11...25V DC (supplied from communication power supply)  |
| Communication current consumption  | 85 mA at 24V DC   |
| Operating voltage range            | 19.2...28.8V DC (24V DC, -20...20%)   |
| Isolation voltage                  | 50V (continuous), reinforced insulation type, I/O to DeviceNet network, I/O to power, and power to DeviceNet network, Tested at 750V DC for 60s |