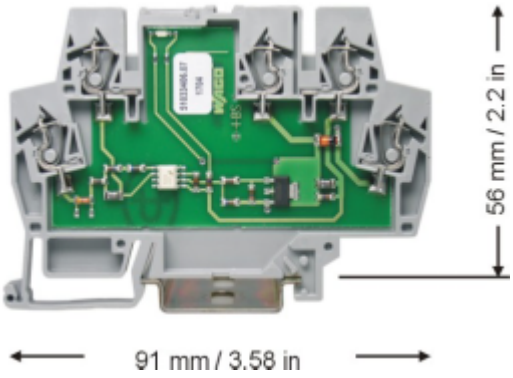
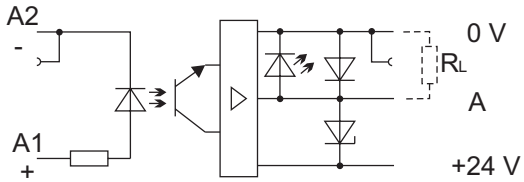
# Electronic Terminal Block with Optocoupler



Optocoupler for DIN 35 rail

**Data sheet**




| Description | Item-No. | Pack.-unit pcs |
|---|---|---|
| Input DC 24 V, Output DC 24 V / 500 mA positive switching | 859-758 | 1 |

- Optocoupler for medium switching powers.
- Input with reverse voltage protection.
- Output with recovery diode and operation indicator LED red.
- Mounting on DIN 35 rail.

## Technical Data

| | |
|---|---|
| Input nominal voltage $U_N$ | DC 24 V |
| Input voltage range | |
| 0-level (L) | DC 0-5 V |
| 1-level (H) | DC 18-30 V |
| Input current range | 5,5-10.6 mA |
| Current at nominal voltage | 8 mA |
| Input circuitry | Reverse voltage protection |
| | |
| Output nominal voltage | DC 24 V |
| Output voltage range | DC 20-30 V |
| Max. continuous current | 500 mA |
| Output circuitry | Recovery diode, Operation indication LED (red) |
| | |
| Reverse voltage transistor | DC 80 V |
| Switch on / Switch off time | <15 µs / <30 µs |
| Max.frequency | 10 kHz |
| Leakage current at nominal voltage | <10 µA |
| Collector-/emitter-voltage drop $U_{CE\ sat}$ | <1.2 V |
| Max. quiescent output current (without load) | 11 mA |
| Test voltage input / output | 2.5 $kV_{rms}$ |
| Operating at normal rating | 100 % continuous duty |
| Ambient operating temperature | -25 °C...+40 °C |
| Storage temperature | -40 °C...+70 °C |
| Module width | 6 mm / 0.236 in |
| Wire connection | CAGE CLAMP® 0.08-2.5 $mm^2$ / AWG 28-14 |
| Stripped length | 5-6 mm / 0.22 in |

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Subject to design changes
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# Electronic Terminal Block with Optocoupler



Optocoupler for DIN 35 rail

**Data sheet**

| | | |
|---|---|---|
| Standards / prescriptions | IEC60664, VDE0110 correspond. parts | |
| | Pollution degree 2 | |
| | Overvoltage category III | |
| | DIN EN 50178, VDE 0160 | |
| | | |
| Approvals | cULus | |
| | UL508 / CSA22.2 | |
| | E175199 | |
| | cULus | |
| | UL1604/ CSA22.2 No.213 | |
| | E198726 | |
| | **ATEX** | |
| | EN50021 / II 3 GD EEx nA II T4 | |
| | DEMKO 02 ATEX 132280 U | |
| | **CB scheme** | |
| | IEC 60947-1 / IEC 60947-5-1 | |
| | DEMKO DK-7575 | |
| | DC13 | 0.5 A DC 24 V |
| | | |
| Accessories | | |
| End and intermediate plate | 859-525 | |
| Comb type jumper bar, 2-way | 859-402 | |
| 3-way | 859-403 | |
| 4-way | 859-404 | |
| 5-way | 859-405 | |
| | | |
| 10-way | 859-410 | |
| Test pin 1 mm Ø | 859-500 | |

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