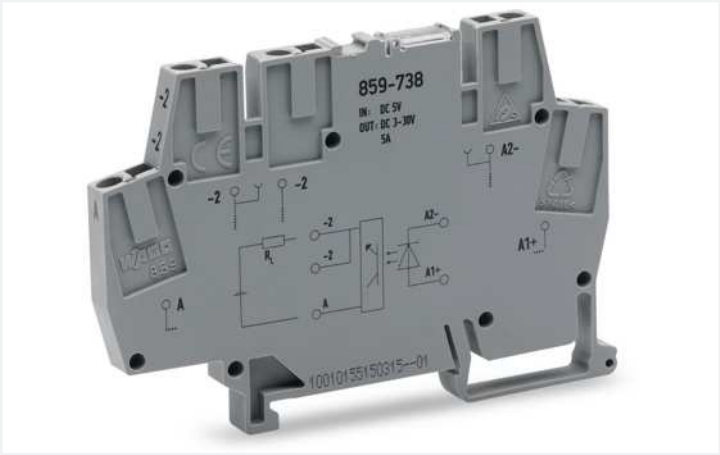
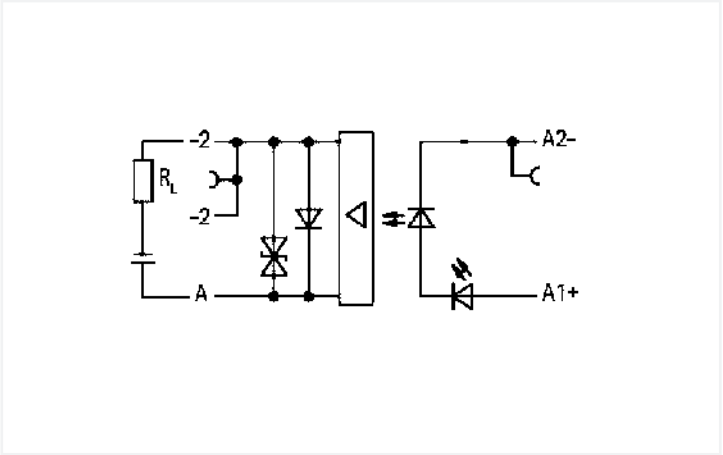
# Data Sheet | Item Number: 859-738

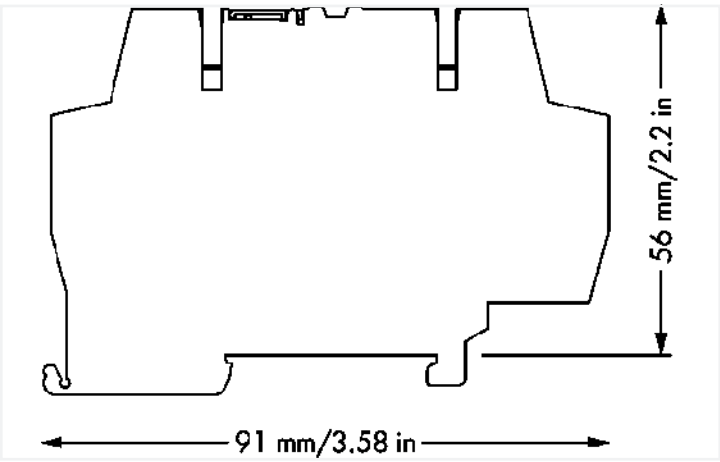
Optocoupler module; Nominal input voltage: 5 VDC; Output voltage range: 3 … 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Red status indicator; Module width: 6 mm; gray

https://www.wago.com/859-738

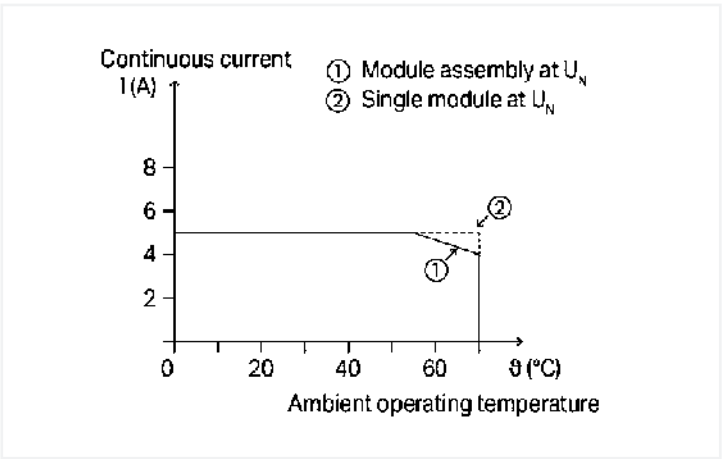



Color: gray




Dimensions in mm




Current-carrying capacity curve

## Notes

Note

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

## Technical data

### Control Circuit

| | |
|---|---|
| Nominal input voltage $U_N$ | DC 5 V |
| Input voltage range (low level) | DC 0 … 2 V |
| Input voltage range (high level) | DC 4.5 … 6 V |
| Nominal input current at $U_N$ | 8 mA |

### Load circuit

| | |
|---|---|
| Circuit type | 2-wire connection |
| Limiting continuous current | 5 A |
| Peak output current | 25 A |
| Nominal output voltage | DC 24 V |
| Output voltage range | DC 3 … 30 V |
| Voltage drop | ≤ 0.2 VDC |
| Turn-on time | ≤ 200 µs |
| Turn-off time | ≤ 450 µs |
| Switching frequency | ≤ 100 Hz |

## Signaling

| | |
|---|---|
| Status indicator | Red LED |

## Safety and protection

| | |
|---|---|
| Rated voltage | 300 V |
| Overvoltage category | II |
| Pollution degree | 2 |
| Dielectric strength (control/load circuit) (AC, 1 min) | 2.5 kVrms |
| Insulation type (control/load circuit) | Basic insulation |
| Insulation type (between adjacent devices of the same type) | Reinforced insulation (safe isolation) |
| Insulation type (to adjacent devices of different types) | Reinforced insulation (safe isolation) |
| Protection type | IP20; in connected state or when using 859-525 end plate |

## Connection data

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| Solid conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Fine-stranded conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.08 … 1.5 mm² / 28 … 16 AWG |
| Strip length | 5 … 6 mm / 0.2 … 0.24 inches |

## Physical data

| | |
|---|---|
| Width | 6 mm / 0.236 inches |
| Height | 91 mm / 3.583 inches |
| Depth from upper-edge of DIN-rail | 56 mm / 2.205 inches |

## Mechanical data

| | |
|---|---|
| Mounting type | DIN-35 rail |
| Mounting position | horizontal (standing/lying); vertical |

## Material Data

| | |
|---|---|
| Color | gray |
| Fire load | 0.338 MJ |
| Weight | 18.7 g |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation at $U_N$) | -25 … +70 °C |
| Surrounding air temperature (storage) | -40 … +70 °C |
| Processing temperature | -25 … +50 °C |
| Temperature range of connection cable | ≥ ($T_{ambient}$ + 20 K) |
| Relative humidity | 5 … 95 % (no condensation permissible) |
| Operating altitude (max.) | 2000 m |


Continued on next page

## Standards and specifications

| | |
|---|---|
| Standards/specifications | EN 61010-2-201<br>EN 61000-6-2<br>EN 61000-6-3<br>EN 61373 |

## Commercial data

| | |
|---|---|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0 | 27-26-15-03 |
| eCl@ss 9.0 | 27-26-15-03 |
| ETIM 8.0 | EC001504 |
| ETIM 7.0 | EC001504 |
| PU (SPU) | 10 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143605359 |
| Customs tariff number | 85365005000 |