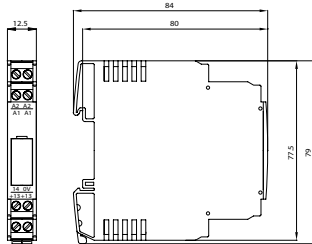


Interface Technology · Microcompact Solid State Relay

DC Solid State Relay, 3 wire, plus switching
Switching element DC 30 V; 5 A; 10 A
Screw-/Spring terminal

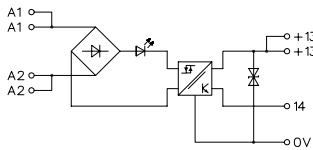


Dimensions

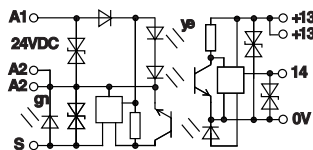


PIN assignment

DC 24 V / 5 A

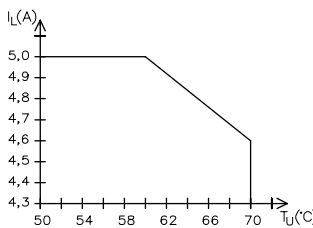


DC 24 V / 10 A

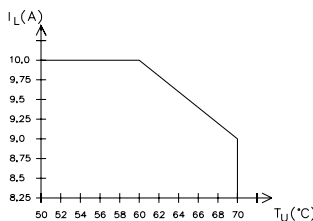


Derating

DC 24 V / 5 A



DC 24 V / 10 A



| Description | Part-No. | Type | PU | |
|---|----------------------|---|-------------------|---|
| Screw terminal | | | | |
| Rated voltage | DC 24 V / 5 A | 760105 | OT 6-0105 DC 24 V | 2 |
| | DC 24 V / 10 A | 760708 | OT 6-0708 DC 24 V | 1 |
| Spring terminal | | | | |
| Rated voltage | DC 24 V / 5 A | 761105 | OT 6-1105 DC 24 V | 2 |
| | DC 24 V / 10 A | 761708 | OT 6-1708 DC 24 V | 1 |
| Input | | | | |
| | DC 24 V / 5 A | DC 24 V / 10 A | | |
| Input voltage range | 11.0 – 30.0 V | 16.0 – 30.0 V | | |
| Rated current | 18.0 mA | 22.0 mA | | |
| Interrupting voltage | | <5 V | | |
| Protection device | Bridge rectifier | Reverse diode, Suppressor diode | | |
| Status indication | LED yellow | LED yellow, Switching current > 3 A: LED green | | |
| Rated frequency | | – | | |
| Output | | | | |
| Switching element | | Transistor, N/O contact | | |
| Min. switching voltage | | DC 10 V | | |
| Max. switching voltage | | DC 30 V | | |
| Min. switching current | | DC 500 mA | | |
| Max. switching current | DC 5 A (Derating) | DC 10 A (Derating) | | |
| Inrush current | | – | | |
| Leakage current | | <20 µA | | |
| Switch-on delay | 260 µs | 0.1 ms | | |
| Switch-off delay | 4 µs | 7 ms | | |
| Switching frequency | <500 Hz | <50 Hz | | |
| Clearance/creep. dist. (contol/load side) | | >5.5 mm | | |
| Protection device output | | Supressor diode | | |
| General | | | | |
| Housing material | | PPE | | |
| IP rating | | IP 20 | | |
| Field installation | | rail TS 35 (EN 50022) | | |
| Insulation voltage input/output | | 4 kVeff | | |
| Safe isolation | | yes | | |
| Operation temperature range | | -25 °C – 60 °C | | |
| Storage temperature range | | -40 °C – 80 °C | | |
| Dimensions (w × h × d) | | 12.5 × 79.0 × 84.0 mm | | |
| Weight (kg/piece) | | 0.049 | | |
| Approvals | | DC 24 V / 5 A : cULus | | |
| Termination | | Screw-/spring terminal 0.25–2.5 mm ² | | |