

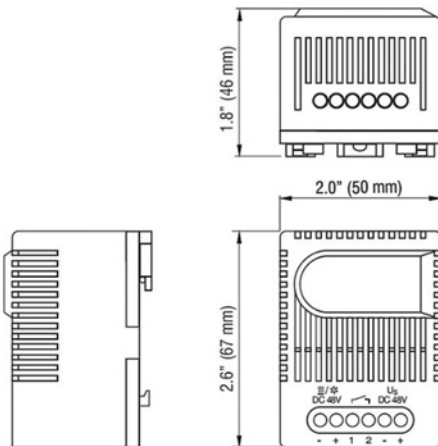
REGULATING AND MONITORING

SM 010 Electronic Relay (24VDC & 48VDC)



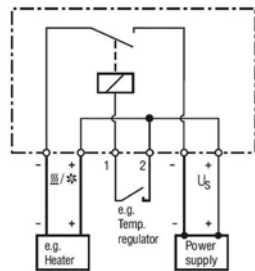
- 16 Amp DC switching capacity
- Variety of applications
- Compact design
- DIN rail mountable

The SM 010 Electronic Relay is used for switching high powered DC operated equipment, such as heaters, up to 16 amps. A separate conventional switch contact is used as controller (e.g. thermostat, hygrometer). The electronic relay is available in 24VDC and 48VDC versions.



Technical Data

Contact type	NO - normally open (Relay/MOSFET)
Contact resistance	< 10mΩ
Service life	> 100,000 cycles
EMC	acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
Connection	6-pole terminal, clamping torque 0.5Nm max.: solid wire - AWG 14 max. (2.5mm ²) stranded wire (with wire end ferrule) - AWG 16 (1.5mm ²)
Housing	plastic, UL 94V-0, light grey
Mounting	clip for 35mm DIN rail, EN 60 715
Mounting position	vertical
Operating / Storage temperature	-49 to +158°F (-45 to +70°C)
Dimensions	2.6 x 2.0 x 1.8" (67 x 50 x 46mm)
Weight	approx. 3.0 oz. (85g)
Protection type	IP20
Approvals	VDE intended



Load, e.g. heater, cooling device with temperature limiter

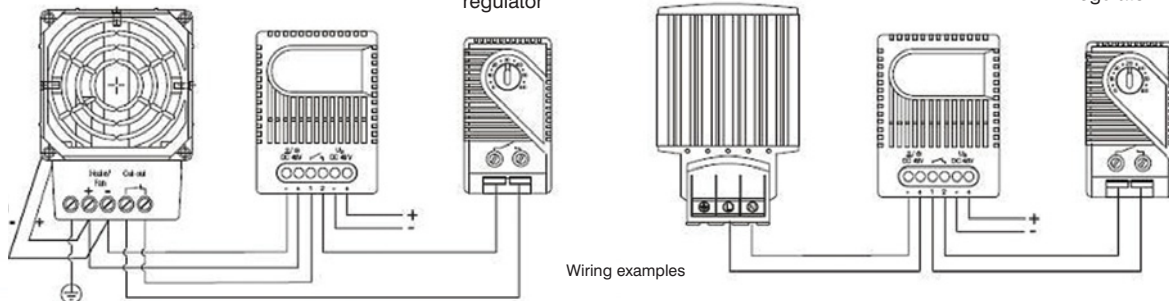
SM 010 Electronic relay

Control contact, e.g. thermostat, hygrometer, or pressure regulator

Load, e.g. heater, cooling device without temperature limiter

SM 010 Electronic relay

Control contact, e.g. thermostat, hygrometer, or pressure regulator



Wiring examples

Part No.	Operating voltage	Max. Switching capacity
01000.0-00	48VDC (38-56VDC)	16A @ 56VDC
01001.0-00	24VDC (20-28VDC)	16A @ 28VDC

Data subject to change without notice.

