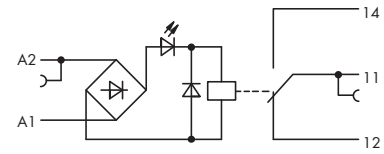
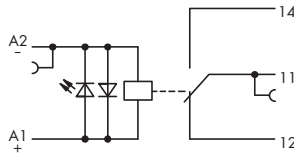
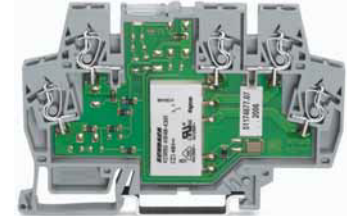
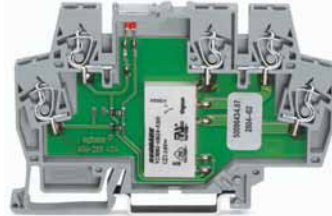
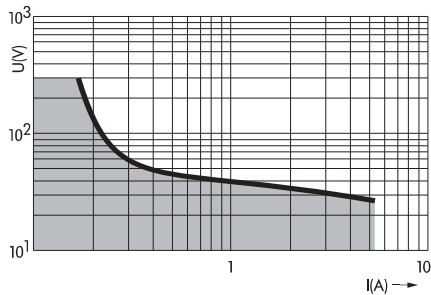


Relay with 1 changeover contact (1 u)
for normal switching power
Nominal input voltage V_N
5 V, 12 V, 24 V, 48 V, 60 V, 110 V, 220 V DC

Relay with 1 changeover contact (1 u)
for normal switching power
Nominal input voltage V_N
12 V, 24 V, 48 V, 115 V, 230 V AC/DC



Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.

Description	V_N	I_N	Item No.	Pack. Unit	V_N	I_N	Item No.	Pack. Unit
Rail-mounted terminal blocks with miniature switching relay, for DIN 35 rail	5 V DC	31 mA	859-302	1	12 V AC/DC	15 mA	859-353	1
	12 V DC	17 mA	859-303	1	24 V AC/DC	8 mA	859-354	1
	24 V DC	10 mA	859-304	1	48 V AC/DC	5.3 mA	859-355	1
	48 V DC	6.5 mA	859-305	1	115 V AC/DC	3.5 mA	859-357	1
	60 V DC	5.2 mA	859-306	1	230 V AC/DC	3.5 mA	859-358	1
	120 V DC	3.5 mA	859-307	1				
	220 V DC	3.2 mA	859-308	1				

Technical Data

Accessories see page 49

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Contact material	AgSnO ₂	AgSnO ₂
Input voltage range	V_N -15 % ... +10 %	V_N -15 % ... +10 %
Max. switching voltage	250 V AC	250 V AC
Max. continuous current (terminal blocks in a row)	5 A	5 A
Max. Switching power (resistive)	1250 VA AC ; DC see load limit curve	1250 VA AC ; DC see load limit curve
Recommended minimum load	≥ 100 mA / 12 V AC/DC	≥ 100 mA / 12 V AC/DC
Max. switching rate with / without load	6 min ⁻¹ / 20 s ⁻¹	6 min ⁻¹ / 20 s ⁻¹
Operating power	< 320 mW	< 300 mW
Pull-in/drop-out/bounce time typ.	5 ms / 6 ms / 5 ms	5 ms / 6 ms / 5 ms
Nominal operating mode	continuous duty	continuous duty
Dielectric strength contact-coil	4 kV	4 kV
Dielectric strength contact-coil (1.2/50 μs)	6 kV	6 kV
Surge capacity open contact	1 kV	1 kV
Nominal voltage acc. to VDE 0110 Part 1/4.97, IEC 60664-1	250 V / 4 kV / 3	250 V / 4 kV / 3
Mechanical life	5 × 10 ⁶ switching operations	5 × 10 ⁶ switching operations
Mechanical life at max. load (resistance)	3 × 10 ⁵ switching operations	3 × 10 ⁴ switching operations
Ambient operating temperature (V_N)	-25 °C ... +50 °C	-25 °C ... +50 °C
Ambient operating temperature (1.2 × V_N)	-25 °C ... +40 °C	-25 °C ... +40 °C
Storage temperature	-40 °C ... +70 °C	-40 °C ... +70 °C
Dimensions (mm) W x H x L	6 x 56 x 91	6 x 56 x 91
Wire connection	Height from upper-edge of DIN 35 rail CAGE CLAMP®	Height from upper-edge of DIN 35 rail CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14
Stripped lengths	5 ... 6 mm / 0.22 in	5 ... 6 mm / 0.22 in
Approvals	VDE 0110 / EN 60664; VDE 0435 / EN 61810-5; UL 508; EEx nC II T4 / DEMKO 02 ATEX 132280U; ©	VDE 0110 / EN 60664; VDE 0435 / EN 61810-5; UL 508; EEx nC II T4 / DEMKO 02 ATEX 132280U; ©