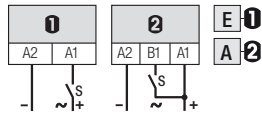


1 CO contact | ON or OFF delay | 24 V AC / DC supply

Maximum contact load	8 A 250 V AC-1	8 A 30 V DC-1
Recommended minimum contact load	100 mA / 12 V	

Time functions and related connection diagrams (Function diagrams: refer to page 148)**Time data**

5 partial time ranges, t_{max} (DIP switch)	0.6 s / 6 s / 60 s / 6 min / 60 min
Fine adjustment range (rotary knob)	$t_{min} \dots t_{max}$, 0.5 ... 6
Time range tolerance	t_{min} : -30 % ... +0 % / t_{max} : -0 % ... +30 %
Repetition accuracy	± 0.2 % or 20 ms
Response time, power on, on A1	≤ 50 ms
Min. trigger pulse width on input B1	100 ms (AC / DC)
Reset time B1 (AC/DC)	≤ 90 ms
Voltage failure buffering	≥ 5 ms

Contacts

Type	Single contact, CO
Material	AgNi
Rated operational current	10 A
Max. inrush current (10ms)	15 A
Max. switching voltage AC-1	250 V
Max. AC load AC-1 (Fig. 1)	2500 VA AC-1
Max. DC load DC-1 24 V / 220 V (Fig. 2)	150 W / 70 W

Power supply- and control input**CMD11-.../UC24V**

Nominal voltage (UC = AC / DC)	24 V AC/DC
Operating voltage range	19.2 ... 28.8 V AC/DC
Power consumption DC typ.	12 mA
Power consumption AC typ.	21 mA
Frequency range	48 ... 62 Hz
Input current into B1 typ. AC / DC	11.6. / 9.5 mA
Trigger threshold voltage on B1 typ AC / DC	9.5 / 14 V

Insulation

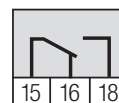
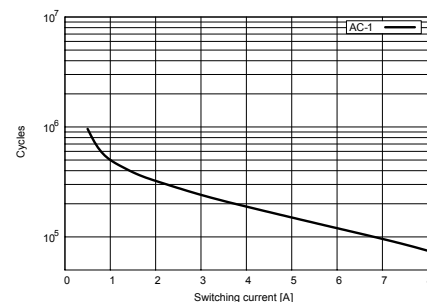
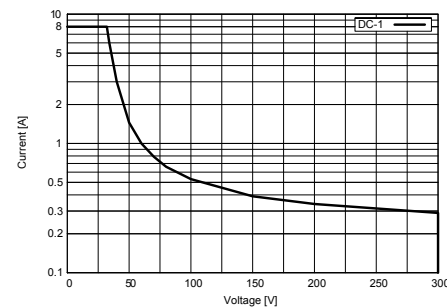
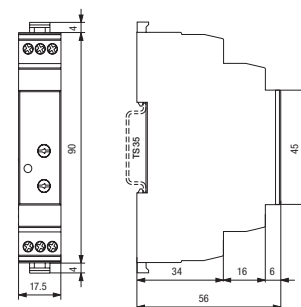
Test voltage open contact	1 kV rms / 1 min
Test voltage between contacts and control input	2 kV rms / 1 min

Specifications

Ambient temperature storage /operation	-40 ... 85 °C / -40 ... 60 °C (no ice)
Life time of contacts 8 A, 250 V AC-1	75 x 10 ³
Conductor cross section	Stranded wire 2.5 mm ² , 2 x 1.5 mm ²
Protection degree	IP 20
Nominal screw torque	0.5 Nm
Housing material / Weight	Polyamide PA-66 (UL94-V0) / 48 g
Mounting	TS-35 or Back Panel Mounting

Product References

Monofunction Time Relay (Off delay)	CMD11-A/UC24V
Monofunction Time Relay (On delay)	CMD11-E/UC24V

CMD11-A/UC24V
CMD11-E/UC24V**Connection diagram****Fig.1 AC voltage endurance****Fig. 2 DC load limit curve****Dimensions****Technical approvals, conformities**

IEC/EN 60947