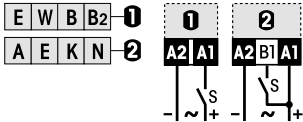


Type: CS3/UC 12-240V R

Plug-in time relay
2 change over contacts
UC 12-240 V operating voltage
7 time functions, time ranges: 50 ms ... 60 h
LED for output state indication

Maximum contact load	6 A / 250 V AC-1
Recommended minimum contact load	10 mA / 10 V

Time functions and related connection diagrams (Function diagrams: refer to page 152)



Time data

7 partial time ranges, t_{max} (DIP switch)	0.6, 6, 60 s / 6, 60 min / 6, 60 h
Fine adjustment range (rotary knob)	$t_{min} \dots t_{max}$, 5 ... 60
Time range tolerance	t_{min} : -5 % ... +0 % / t_{max} : -0 % ... +5 %
Repetition accuracy	± 0.1 % or DC: 2 ms / AC: 10 ms
Min. trigger start impulse on B1	≥ 30 ms
Reset time	≤ 30 ms
Voltage failure buffering	20 ms

Contacts

Type	2 CO, micro disconnection
Material	AgNi
Rated operational current	6 A
Max. switching voltage AC-1	250 V
Max. AC load AC-1 (Fig.1)	1500 VA
Max. DC load DC-1, 30 V / 250 V (Fig.2)	180 W / 60 W

Power supply- and control input (UC = AC / DC)

Nominal voltage (A1, B1)	UC 12 ... 240 V
Operating voltage range	10.2 ... 265 V
Power consumption	≤ 1.4 W
Frequency range	45 ... 63 Hz
Allowed residual current into B1 AC / DC	≤ 2.3 mA / 1.2 mA
Trigger threshold voltage on B1, AC / DC	6.5 V / 7 V

Insulation

Test voltage open contact	1 kVrms 1 minute
Test voltage between poles	2 kVrms 1 minute
Test voltage between contacts and control input	2 kVrms 1 minute

General Specifications

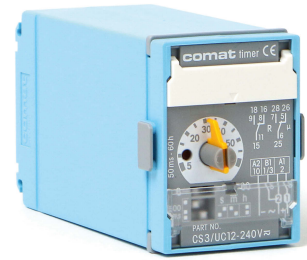
Ambient temperature storage /operation	-40 ... 85 °C / -25 ... 60 °C
Mechanical life of contacts	≥ 30 x 10 ⁶ operations
Ingress protection degree	IP 40 when plugged in
Housing material / Weight	Lexan / 75 g

Standard types

UC (AC/DC)	CS3/UC12-240V R
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Accessories

Socket:	S3-xx
Retaining clip	HF-50
Transparent front cover	FA-50
Front panel mounting set	FZ-50L (Frame + retaining clip + socket with soldering connections)



Connection diagram

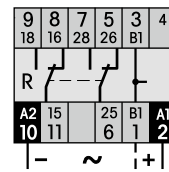


Fig.1 AC electrical endurance

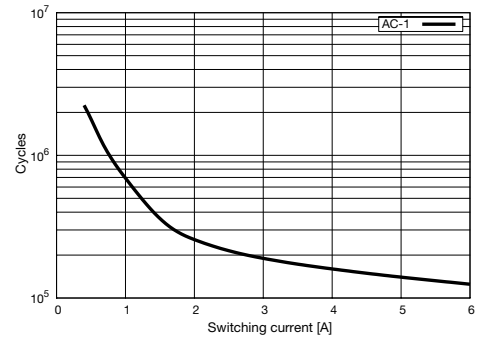
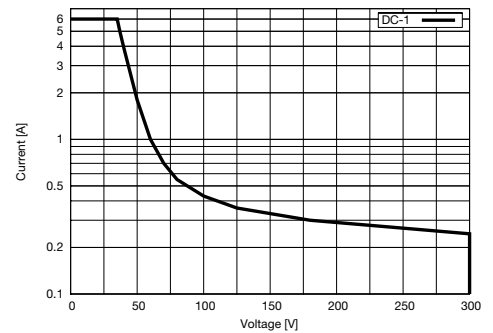
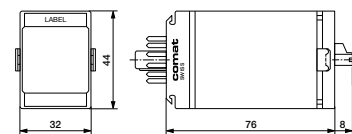


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



EN 60947