CS1

11 pin plug-in time relay according to IEC 67-I-18a, 50 ms … 60 minutes for wide band 12 … 240 V operating voltage, internal or external potentiometer operation

Type: CS1/UC 12-240V R
Plug-in time relay
1 change over contact
UC 12-240 V operating voltage
4 time functions, time ranges: 50 ms … 60 min
LED for output state indication
Option for external fine adjustment time range potentiometer

Maximum contact load 8 A / 250 V AC-1
Recommended minimum contact load 10 mA / 10 V

Time functions and related connection diagrams (Function diagrams: refer to page 130)

External potentiometer (Pins 5, 7)
1 MΩ (see accessories)
Max. potentiometer cable length 50 m, shielded, GND on pin 5 [21]

Time data
5 partial time ranges, t_{max} (DIP switch) 0.6, 6, 60 s / 6, 60 min
Fine adjustment range (rotary knob) t_{min} … 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
Reset time ≤ 30 ms
Voltage failure buffering 20 ms

Contacts
Type 1 CO, micro disconnection
Material AgNi
Rated operational current 8 A
Max. switching voltage AC-1 250 V
Max. AC load AC-1 (Fig.1) 2000 VA
Max. DC load DC-1, 30 V / 250 V (Fig.2) 220 W / 75 W

Power supply- and control input (UC = AC / DC)
Nominal voltage (A1) UC 12 … 240 V
Operating voltage range 10.2 … 265 V
Power consumption ≤ 1.4 W
Frequency range 45 … 63 Hz

Insulation
Test voltage open contact 1 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) CS1/UC12-240V R

Accessories
External potentiometer 1 M (Panel mounting + scale) SP-01/1M
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)

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