CS2

11 pin plug-in time relay according to IEC 67-1-18a, 50 ms ... 60 h for wide band 12 ... 240 V operating voltage, internal or external potentiometer operation

Type: CS2/UC 12-240V R
Plug-in time relay
1 change over contact
UC 12-240 V operating voltage
7 time functions, time ranges: 50 ms ... 60 h
LED for output state indication
Option for external fine adjustment time range potentiometer

<table>
<thead>
<tr>
<th>Maximum contact load</th>
<th>8 A / 250 V AC-1</th>
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<tr>
<td>Recommended minimum contact load</td>
<td>10 mA / 10 V</td>
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Time functions and related connection diagram (Function diagrams: refer to page 130)

<table>
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<th>EWBB</th>
<th>AEKN</th>
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External potentiometer pins 5, 7
1 MΩ (see accessories)
Max. potentiometer cable length
50 m, shielded, GND on pin 5 (Z1)

Time data
7 partial time ranges, tmax (DIP switch) 0.6, 6, 60 s / 6, 60 min / 6, 60 h
Fine adjustment range (rotary knob) tmin ... tmax: 5 ... 60
Time range tolerance tmin: -5 % ... +0 % / tmax: -0 % ... +5 %
Repetition accuracy ± 0.1 % or DC: 2 ms / AC: 10 ms
Min. trigger impulse on B1 ≥ 30 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, 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 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) CS2/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)

EN 60947