

CSV2

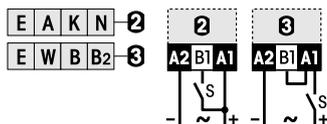
Multifunction time relay, internal or external potentiometer operation, DC solid state output, 8 ms ... 10 h, DIN Rail mounting according to DIN 43 880

Type: CSV2/DC24V R

Multifunction time relay
DC solid state output
DC 24 V operating voltage
Option for external fine adjustment time range potentiometer
LED state indicators for output and control input

Maximum output load 1.5 A / 30 V

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



Time data

7 partial time ranges, t_{max} (rotary switch)	0.1 , 1, 10 s / 1, 10 min / 1, 10 h
Fine adjustment range (rotary knob)	$t_{min} \dots t_{max}$, 0.8 ... 10
Time range tolerance	t_{min} : -30 % ... +0 % / t_{max} : -0 % ... +30 %
Repetition accuracy	± 0.3 % or 10 ms
Response time, power on, on A1	≤ 10 ms
Min. trigger pulse on B1	10 ms
Reset time B1 (AC/DC)	≤ 10 ms
Voltage failure buffering	≥ 10 ms

Output

Type: Power MOS FET	High side switch
Rated operational current	1.5 A
Max. inrush current (100 ms)	4 A
Max. switching voltage	30 V
Leakage current	≤ 100 µA
Inductive switch-off voltage protection	Free wheeling diode + 33 Ω

Power supply and control input

Nominal voltage	DC 24 V
Operating voltage range	15 ... 30 V
Power consumption	≤ 0.7 W
Control current into B1	≤ 9 mA
Allowed residual current into B1	≤ 1.5 mA
Trigger threshold voltage on B1 typ.	9 V

General Specifications

Ambient temperature storage /operation	-40 ... 80 °C / -25 ... 55 °C
Ambient temperature, mounted side by side	-25 ... 45 °C
Conductor cross section	Stranded wire 2.5 mm ² , 2 x 1 mm ²
Ingress Protection degree	Housing: IP 40, terminals: IP 20
Max. Screw torque	0.4 Nm
Housing material / Weight	Lexan / 50 g

Standard types

CSV2/DC24V R

Accessories

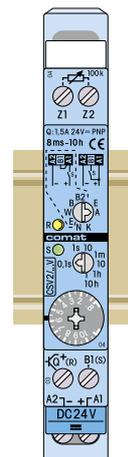
External potentiometer 100k
(Panel mounting + scale):
Marking strip:

Large
Small

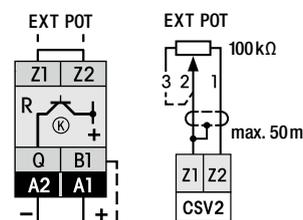
SP-01/100k
BS-13G
BS-13K



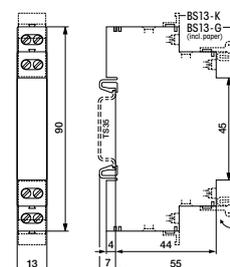
Option:
External
Pot.-Meter
SP-01/100k



Connection diagram



Dimensions [mm]



Technical approvals, conformities

