

C64

**11 pin plug-in time relay according to IEC 67-I-18a,
running time without supply voltage, 2 time functions,
2 CO output contacts**

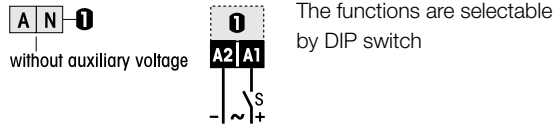


Type: C64/... V R

Plug-in time relay, 2 change over contacts, UC 24 V, UC 110 ... 240 V operating voltages, 2 time functions, time ranges: 0.1 s ... 20 minutes, LED for supply voltage state indication, **Seismic qualification** available (precondition **for use in nuclear power plants**)

Maximum contact load 5 A / 250 V AC-1 5 A / 30 V DC-1
Recommended minimum contact load 1 mA / 0.1 V

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



Time data

4 partial time ranges, t_{max} (DIP switch)	1.2 s / 12 s / 120 s / 20 minutes
Fine adjustment range (rotary knob)	$t_{min} \dots t_{max}$, 1 ... 12
Time range tolerance	t_{min} : -25 % ... +5 % / t_{max} : -5 % ... +25 %
Repetition accuracy	$\pm 1 \%$
Min. start impulse on A1	≥ 150 ms
Reset time	≥ 100 ms
Voltage failure buffering	5 ... 10 ms

Contacts

Type	2 CO, micro disconnection
Material	Gold flash over silver alloy
Rated operational current	5 A
Max. switching voltage AC-1	250 V
Max. switching voltage DC-1	125 V
Max. load AC-1 (Fig.1)	1250 VA
Max. DC load DC-1 30 V / 125 V (Fig.2)	150 W / 25 W

Control input (UC = AC / DC)

	UC 24 ... 48 V	UC 110 ... 240 V
Nominal voltage (A1)	20 ... 75	88 ... 265
Operating voltage range [V]	20 ... 75	88 ... 265
Input current [mA]	3 ... 15	1 ... 5
Inrush current (100 ms) [mA]	200	100
Frequency range [Hz]	48 ... 400	45 ... 400
Threshold voltage AC / DC [V]	≥ 12 / ≥ 16	≥ 55 / ≥ 75

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 ... 70 °C / -25 ... 60 °C
Mechanical life of contacts	$\geq 50 \times 10^6$ operations
Ingress protection degree	IP 40 when plugged in
Housing material / Weight	Lexan / 75 g

Standard types

UC (AC/DC) 48...400 Hz, 24-48, 110-240

C64/UC...V R

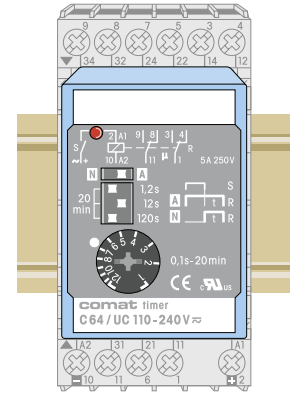
Seismic qualification:

"..." enter the voltage for full type designation

C64.C2292/...V R

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

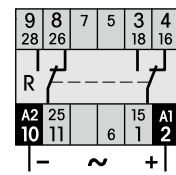


Fig.1 Contact endurance

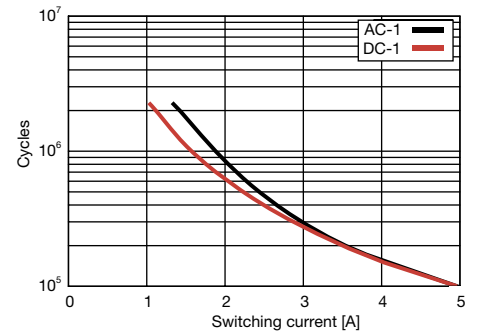
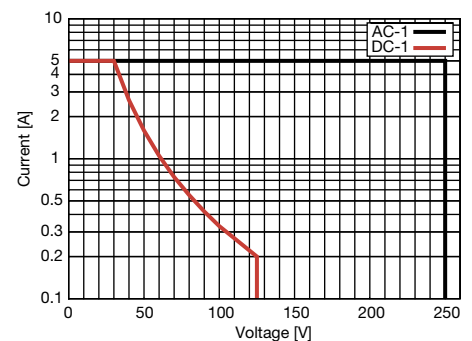
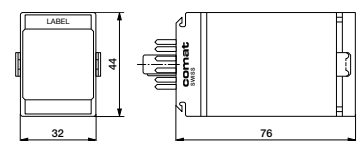


Fig. 2 Load limit curve



Dimensions [mm]



Technical approvals, conformities

Available:
Seismic IEEE 323, IEEE 344

EN 60947

