

CTF-124R/UC24V

2 CO | Forcibly guided time relay | without microprocessor

Time data

Timing functions
Timing range

2: B1, K, G, N, F, A, Q, L 3: E, B, W, H
40 ms ... 200 ms / 0.16 s ... 0.8 s / 0.4 s ... 2 s / 1.6 s ... 8 s / 4 s ... 20 s / 16 s ... 80 s / 0.4 min ... 2 min / 1.6 min ... 8 min / 4 min ... 20 min / 16 min ... 80 min / 0.4 h ... 2 h / 1.6 h ... 8 h / 4 h ... 20 h / 16 h ... 80 h
0.2 s / 0.8 s / 2 s / 8 s / 20 s / 80 s / 2 min / 8 min / 20 min / 80 min / 2 h / 8 h / 20 h / 80 h

Main circuit

Number of forcibly guided contacts
Available contact materials

2 CO (Type B)
AgNi + 0.2 µ Au

Rated voltage 250 V
Rated current 6 A
Minimum load 10 mA, 12 V
Inrush current 16 A, 10 ms
Rated load DC fig. 3
Rated load AC-1 1,500 VA
Mechanical endurance (cycles) 20 000 000
Electrical endurance at rated load AC-1 (cycles) fig. 2

Control circuit

Nominal voltage 24 V AC/DC
Operating voltage range 0.7 U_N ... 1.25 U_N
Power consumption AC / DC 1.6 VA / 1.2 W
Current consumption on supply A1-A2 AC / DC < 55 mA
Current consumption on input control B1 AC / DC < 2 mA
Inrush current < 250 mA
Recovery time ≥ 40 ms
Minimum control impulse time ≥ 20 ms
Contains microprocessor no
Frequency range 0, 50 ... 60 Hz

Insulation

Type of insulation basic
Rated test voltage control / main circuit 2 kV rms / 1 min
Rated test voltage open contact 1 kV rms / 1 min
Pollution degree 2
Overvoltage category III

Housing and environmental conditions

Storage temperature (no ice) -40 ... 85 °C
Operation temperature -40 ... 70 °C
Ingress Protection IP 20
Weight 75 g
Housing material PA / PC
Operation Position any
Dimensions fig. 4

Wiring

Contact type control / main circuit Screw terminal
Conductor cross section control / main circuit 4 mm² / AWG12 (Wire), 2.5 mm² / AWG14 (Stranded), 1.00 mm² / AWG17 (Ferrule). Use copper conductors only.

Product references

Description	Type	24
2 CO	CTF-124R/UC...V	✓



fig. 1. Wiring diagram

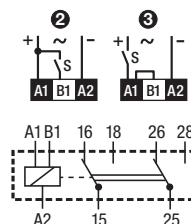


fig. 2. AC voltage endurance

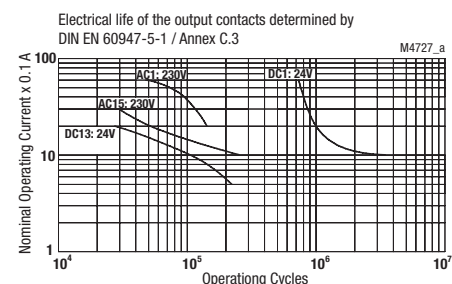


fig. 3. DC load limit curve

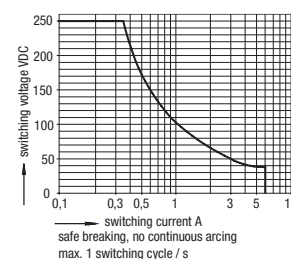
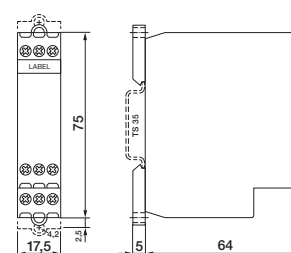


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61812-1, IEC/EN 61810-3

Railway EN 50155, EN 45545-2

Approvals CE UK CA