

C4-A4x14-pin, **standard relay, 4-pole, plug-in, faston**

Type **C4-A4x/ ... V**
Standard relays, 4 change-over contacts

Maximum contact load **10 A/250 V AC1 0,5 A/110 V DC1**
10 A/30 V DC1 0,2 A/220 V DC1
Recommended minimum contact load **10 mA/10 V Code 0, 9**
5 mA/5 V Code 8

Contacts

Material Standard Code 0 AgNi
Optional Code 8 AgNi + 10 μ Au
Optional Code 9 AgNi + 0,2 μ Au

Rated current 10 A
Switch-on current max. (20 ms) 30 A
Switching voltage max. 250 V
AC load (Fig 1) 2,5 kVA
DC load see Fig. 2

Coil

Coil resistance see table; tolerance $\pm 10\%$
Pick-up voltage $\leq 0,8 \times U_N$
Release voltage $\geq 0,1 \times U_N$
Nominal power 2,4 VA (AC)/1,4 W (DC)

Coil table

VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	414	58
48	286	50	48	1K6	30
115	1K7	21	110	8K1	13
230	6K8	10	220	35K7	6,2

Insulation

Contact open Volt rms, 1 min 1000 V
Contact/contact 2,5 kV
Contact/coil 2,5 kV
Insulation resistance at 500 V $\geq 1 \text{ G}\Omega$
Insulation, IEC 61810-1 2,5 kV/3

Specifications

Ambient temperature operation/storage -40 (no ice)...60 $^{\circ}\text{C}$ / -40 ... 80 $^{\circ}\text{C}$
Pick-up time/bounce time 20 ms/ ≤ 3 ms
Release time/bounce time 8 ms/ ≤ 1 ms
Mechanical life ops AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load ≥ 100000 switching cycles
Switching frequency at rated load ≤ 1200 /ops/h
Protection class IP40
Weight 90 g

Standard types

VAC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)

LED

RC suppresor

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V, 60 V

C4-A40/AC ... V

C4-A40X/AC ... V

C4-A40R/AC ... V

C4-A40/DC ... V

C4-A40X/DC ... V

C4-A40DX/DC ... V

C4-A40FX/DC ... V

C4-A40BX/UC ... V

C4-A48/AC ... V

C4-A48X/AC ... V

C4-A48R/AC ... V

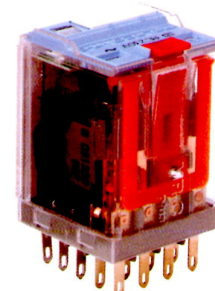
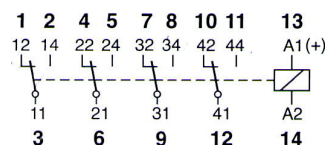
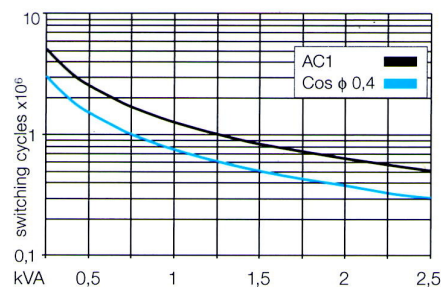
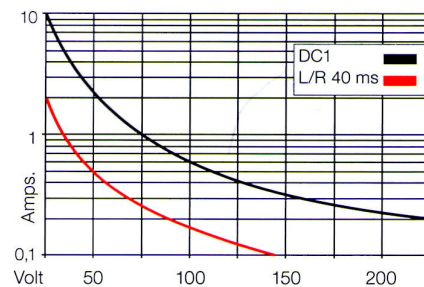
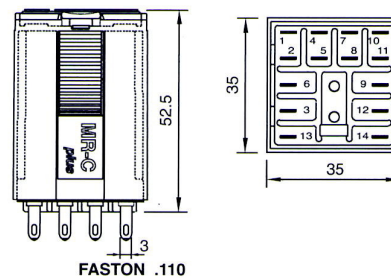
C4-A48/DC ... V

C4-A48X/DC ... V

C4-A48DX/DC ... V

C4-A48FX/DC ... V

C4-A48BX/UC ... V

**Connection diagram****Fig. 1 AC voltage endurance****Fig. 2 DC load limit curve****Dimensions [mm]****Technical approvals, conformities**

Lloyd's



IEC 61810; EN 60947

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

Accessories

Socket:

Optional accessories (blanking plug):

S4-J, S4-L, S4-P, S4-P0

SO-NP, SO-OP