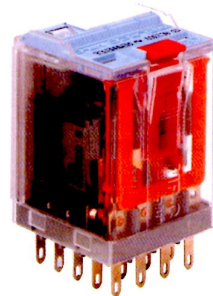


C4-R3x

14-pin, remanence relay, 3-pole, faston



Type	C4-R3x/ ... V Magnetic remanence relay 3 change-over contact			
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Maximum contact load	10 A/250 V	AC 1	0,5 A/110 V	DC1
	10 A/10 V	DC 1	0,2 A/220 V	DC1

Recommended minimum contact load	10 mA/10 V	Code 0, 9		
	5 mA/5 V	Code 8		

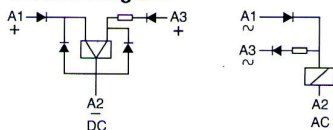
Contacts

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	2,5 kVA
DC load	see Fig. 2

Coil

Coil resistance	see table; tolerance $\pm 10\%$
ON pulse power	1,5 VA/W
OFF pulse power	0,5 VA/W
Pull-in ON/OFF	1 Winding for AC, 2 Windings for DC $\leq 0,8 \times U_N$

Internal Diagram:**Coil table**

VAC	mA ON	mA OFF	VDC	mA ON	mA OFF
24	75	12	12	125	41
48	38	6	24	63	21
115	16	2,5	48	31	10
230	8	1,3	110	14	4,5

Insulation

Contact open	Volt rms, 1 min
Contact/contact	1000 V
Contact/coil	2,5 kV
Insulation resistance at 500 V	2,5 kV
Insulation, IEC 61810-1	≥ 1 G Ω
	2,5 kV/3

Specifications

Ambient temperature operation/storage	-40 (no ice)...60 $^{\circ}$ C / -40 ... 80 $^{\circ}$ C
Minimum pulse length for ON/OFF	50 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill. switching cycles
DC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	≤ 1200 /h
Protection class	IP40
Weight	95 g

Standard types

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

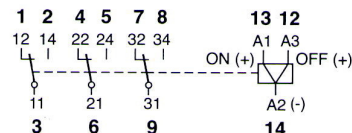
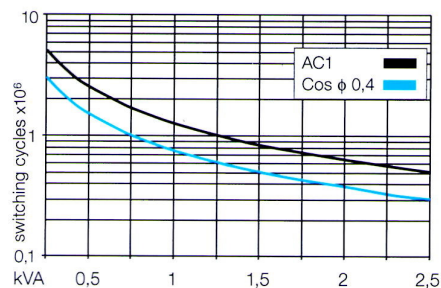
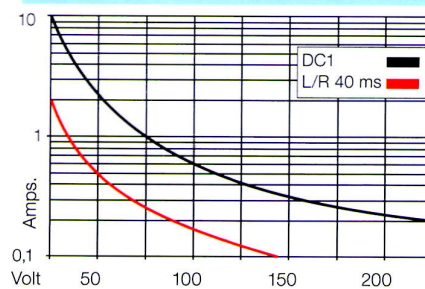
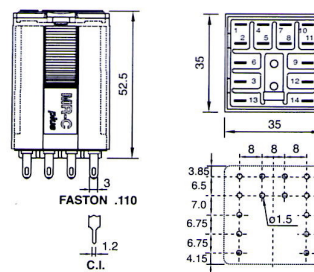
VDC 12, 24, 48, 110

C4-R30/AC ... V	C4-R38/AC ... V	C4-R39/AC ... V
C4-R30/DC ... V	C4-R38/DC ... V	C4-R39/DC ... V

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

Accessories

Socket:	S4-J, S4-L, S4-P, S4-P0
Optional accessories (blanking plug):	SO-NP, SO-OP

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

IEC 61810; EN 60947