

MRC series
C4-A4x
14-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
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

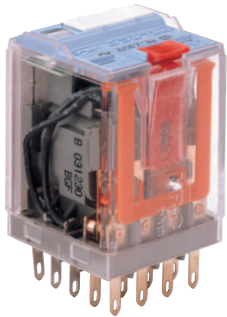
Coil		
Coil resistance		see table; tolerance ± 10 %
Pick-up voltage		≤ 0,8 x U _N
Release voltage		≥ 0,1 x U _N
Nominal power		2,4 VA (AC)/1,4 W (DC)

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

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °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		
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)	C4-A40/AC ... V	C4-A48/AC ... V
LED	C4-A40X/AC ... V	C4-A48X/AC ... V
RC suppressor	C4-A40R/AC ... V	C4-A48R/AC ... V
DC: 24, 48, 110, 220	C4-A40/DC ... V	C4-A48/DC ... V
LED	C4-A40X/DC ... V	C4-A48X/DC ... V
Free wheeling diode	C4-A40DX/DC ... V	C4-A48DX/DC ... V
Polarity and free wheeling diode	C4-A40FX/DC ... V	C4-A48FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C4-A40BX/UC ... V	C4-A48BX/UC ... V



Connection diagram

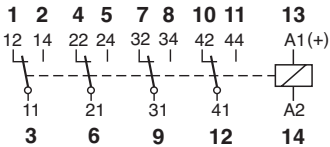


Fig. 1 AC voltage endurance

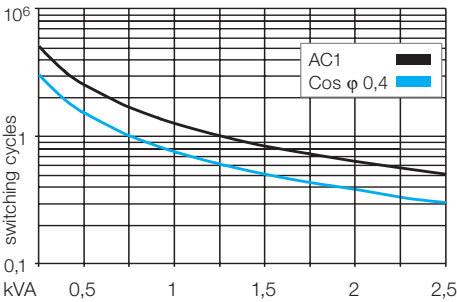
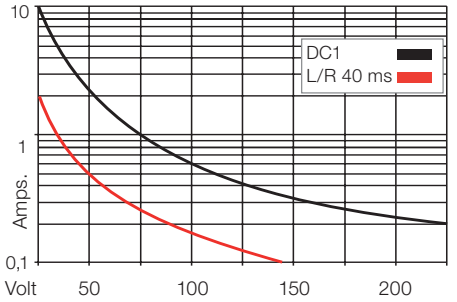
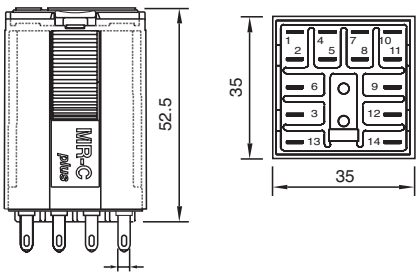


Fig. 2 DC load limit curve



Dimensions [mm]



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