

MRC series

C2-T2x

8-pin standard relay, 2-pole, twin contact, plug-in according to IEC 67-I-5a

Type	C2-T2x/ ... V Standard relay for low level 2 Change-over contacts			
Maximum contact load	6 A/250 V	AC1	6 A/30 V	DC1
Recommended minimum contact load	1 mA/5 V	(with 10 µm Au)		
	5 mA/5 V	(standard contact)		

Contacts			
Material	Standard	Code 1	AgNi + 0,2 µ Au
	Optional	Code 2	AgNi + 10 µ Au
Rated current	6 A		
Switch-on current max. (20 ms)	5 A		
Switching voltage max.	250 V		
AC load	1,2 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	2,2 VA (AC)/1,3 W (DC)		

Coil table					
VAC	Ω	mA	VDC	Ω	mA
24	67	92	24	443	54
48	296	46	48	1K8	27
115	1K7	19	110	9K2	12
230	7K1	9,5	220	36K1	6

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	16 ms/≤ 3 ms
Release time/bounce time	8 ms/≤ 1 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
AC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	90 g

Standard types		
AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	C2-T21/AC ... V	C2-T22/AC ... V
LED	C2-T21X/AC ... V	C2-T22X/AC ... V
RC Suppressor	C2-T21R/AC ... V	C2-T21R/AC ... V
DC 24, 48, 110, 220	C2-T21/DC ... V	C2-T22/DC ... V
LED	C2-T21X/DC ... V	C2-T22X/DC ... V
Free wheeling diode	C2-T21DX/DC ... V	C2-T21DX/DC ... V
Polarity and free wheeling diode	C2-T21FX/DC ... V	C2-T22FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C2-T21BX/UC ... V	C2-T22BX/UC ... V

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

Accessories	
Socket:	S2-B, S2-S, S2-L, S2-P, S2-P0
Operational accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

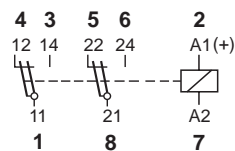


Fig. 1 AC voltage endurance

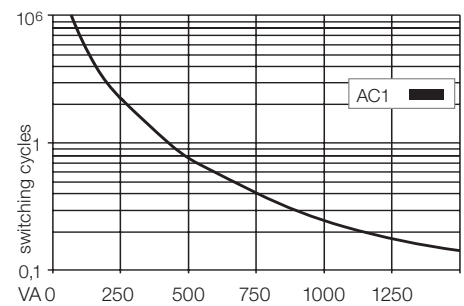
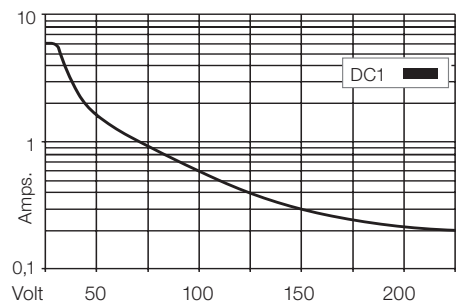
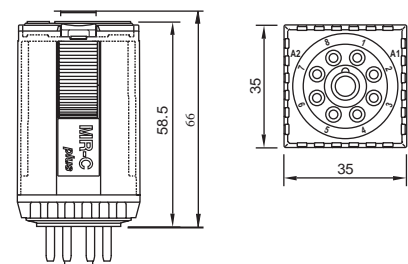


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947