

Type	C3-T3x/ ... V Standard relays for low level 3 change-over twin contacts			
Maximum contact load	6 A/250 V	AC 1	6 A/30 V	DC1
Recommended minimum contact load	5 mA/5 V	Code 1		
	1 mA/5 V	Code 2		

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)			15 A
Switching voltage max.			250 V
AC load (Fig 1)			1,2 kVA
DC load			see Fig. 2

Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0,8 × U _N
Release voltage	≥ 0,1 × 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

Coil resistance	see table; tolerance ± 10 %
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, EN 61810-1	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 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 Suppressor

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

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

C3-T31/AC ... V
C3-T31X/AC ... V
C3-T31R/AC ... V

C3-T31/DC ... V
C3-T31X/DC ... V
C3-T31DX/DC ... V
C3-T31FX/DC ... V

C3-T31BX/UC ... V

C3-T32/AC ... V
C3-T32X/AC ... V
C3-T32R/AC ... V

C3-T32/DC ... V
C3-T32X/DC ... V
C3-T32DX/DC ... V
C3-T32FX/DC ... V

C3-T32BX/UC ... V

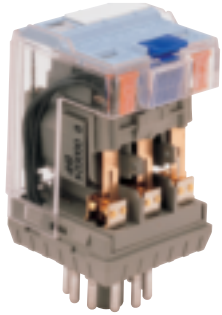
"..." Enter the voltage for full type designation

Accessories

Socket:

Optional accessories (blanking plug):

S3-B, S3-S, S3-L, S3-P, S3-P0, S3-MP, S3-MS
SO-NP, SO-OP



Connection diagram

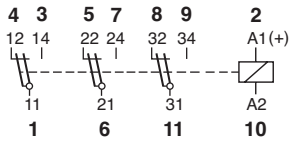


Fig. 1 AC voltage endurance

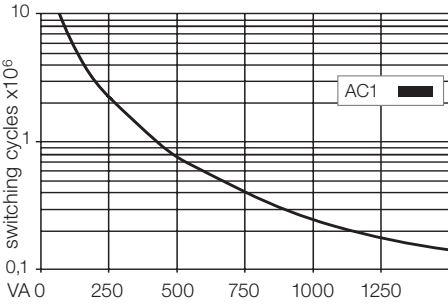
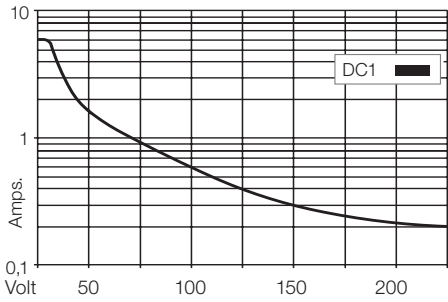
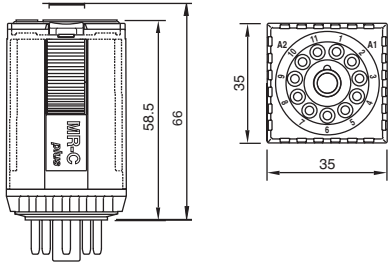


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947