

Type	C10-GT1x/ ... V Standard relay for low power application 1 open contact			
Maximum contact load	6 A/250 V	AC1	0,8 A/110 V	DC1
	6 A/30 V	DC1	0,4 A/220 V	DC1
Recommended minimum contact load	5 mA/5 V	Code 3		
	1 mA/5 V	Code 2		

Contacts			
Material	Standard	Code 3	AgNi + 3 µ
	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)			1,5 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	1,1 VA (AC)/0,7 W (DC)

Coil table

VAC	Ω	mA	VDC	Ω	mA
24	290	45	12	224	53
48	1200	23	24	742	32
115	7.300	9,5	48	3.500	13,7
230	28.800	4,7	110	19.900	5,5

Insulation	Volt rms, 1 min
Contact open	2000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	4 kV/3

Specifications

Ambient temperature operation/storage	-40 (no ice)...70 °C / -40 ... 80 °C
Pick-up time/bounce time	10 ms/≤ 1 ms
Release time/bounce time	5 ms/≤ 3 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/h
Protection class	IP40
Weight	21 g

Standard types

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

LED

RC suppresor

VDC 12, 24, 48, 110

LED

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V

C10-GT13/AC ... V
C10-GT13X/AC ... V
C10-GT13R/AC ... V

C10-GT13/DC ... V
C10-GT13X/DC ... V
C10-GT13FX/DC ... V

C10-GT13BX/UC ... V

C10-GT12/AC ... V
C10-GT12X/AC ... V
C10-GT12R/AC ... V

C10-GT12/DC ... V
C10-GT12X/DC ... V
C10-GT12FX/DC ... V

C10-GT12BX/UC ... V

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

Accessories

Socket: **S10, S10-M, S10-P**



Connection diagram

Gap:
1 mm

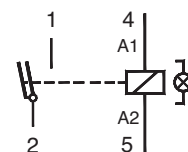


Fig. 1 AC voltage endurance

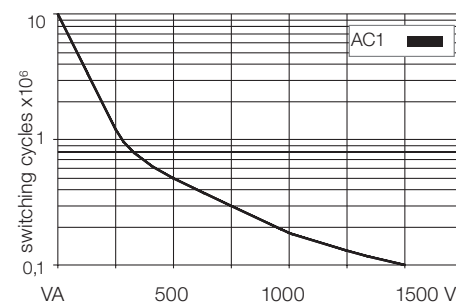
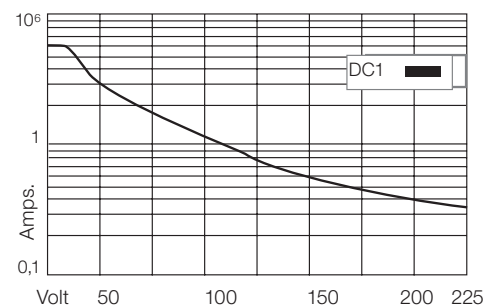
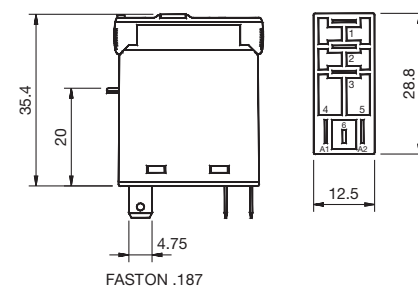


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947