

Type	C12-A2x/ ... V Standard relay 2 change-over contact		
Maximum contact load	5 A/250 V AC1 5 A/30 V DC1	0,5 A/110 V DC1 0,2 A/220 V DC1	
Recommended minimum contact load	10 mA/10 V Code 1 5 mA/5 V Code 2		

Contacts

Material	Standard	Code 1	AgNi + 0,2 µ Au
	Optional	Code 2	AgNi + 10 µ Au
Rated current			5 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	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	1000 V
Contact/contact	3000 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)...60 °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

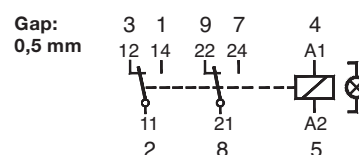
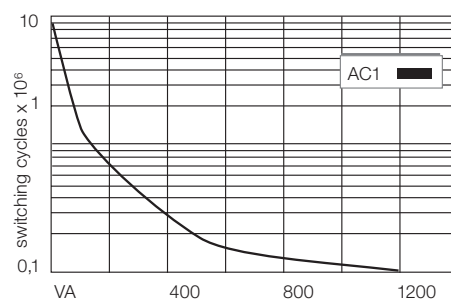
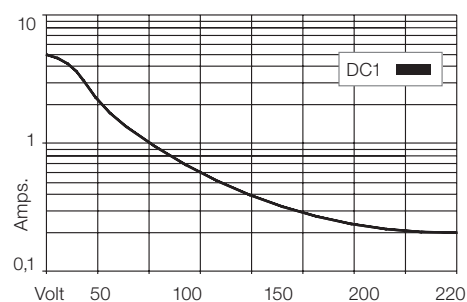
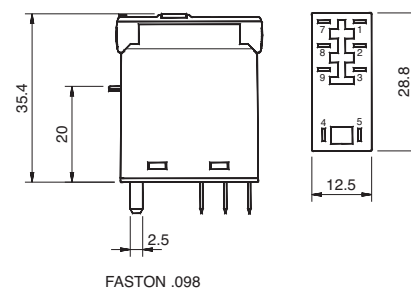
LED

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V

C12-A21/AC ... V
C12-A21X/AC ... V
C12-A21R/AC ... V
C12-A21/DC ... V
C12-A21X/DC ... V
C12-A21FX/DC ... V
C12-A21BX/UC ... V
C12-A22/AC ... V
C12-A22X/AC ... V
C12-A22R/AC ... V
C12-A22/DC ... V
C12-A22X/DC ... V
C12-A22FX/DC ... V
C12-A22BX/UC ... V

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

AccessoriesSocket: **S12, S12-P****Connection diagram****Fig. 1 AC voltage endurance****Fig. 2 DC load limit curve****Dimensions [mm]****Technical approvals, conformities**

IEC 61810; EN 60947