

C20-A20

8-pin standard relay, 2-pole, plug-in according to IEC 60067

Type	C20-A20/ ... V			
	Standard relays			
	2 change-over contacts			
Maximum contact load	10 A/250 V	AC-1	0,5 A/110 V	DC-1
	10 A/30 V	DC-1		
Recommended minimum contact load	10 mA/10 V			
Contacts				
Material	AgNi			
Rated current	10 A			
Switch-on-current max. (20 ms.)	30 A			
Max. switching voltage	250 V			
Max. AC load (Fig 1)	2,5 kVA			
Max. DC load	See Fig 2			

Coils

Coil resistance	see table; tolerance $\pm 10\%$
Pick-up voltage	$\leq 0,8 \times U_N$
Release voltage	$\geq 0,1 \times U_N$
Nominal power	2,2 VA (AC)/1,3 W (DC)

Table

VAC	Ω	mA	VDC	Ω	mA
24	67	92	12	115	104
115	1K7	19	24	480	50
230	7K1	9,5	48	1K8	26
			110	9K	12

Insulation	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	$\geq 1 \text{ G}\Omega$
Insulation, IEC 61810-1	2,5 kV/3

Specifications

Ambient temperature operation/storage	-40...70 °C DC (55 °C AC) / -40 ... 80 °C
Pick-up time bounce time typ.	8 ms/3 ms
Release time bounce time typ.	18 ms/1 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100000 ops. switching cycles
Operating frequency at nominal load	≤ 1200 /ops/h
Protection degree	IP40
Weight	79 g

Standard types

VAC 50 Hz: 24, 115, 230

VAC 60 Hz: 120

LED

VDC 12, 24, 36, 48, 110

LED

Free wheeling diode

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V

C20-A20/AC ... V
C20-A20/AC ... V 60 Hz
C20-A20X/AC ... V

C20-A20/DC ... V
C20-A20X/DC ... V
C20-A20DX/DC ... V
C20-A20FX/DC ... V

C20-A20BX/UC ... V

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

Accessories

Socket:	S20-B
Blanking plug:	PB30-BK
Button without lockable function:	PB30-OR
Retaining clip, plastic:	S30-CM



Connection diagram

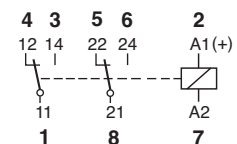


Fig. 1 AC voltage endurance

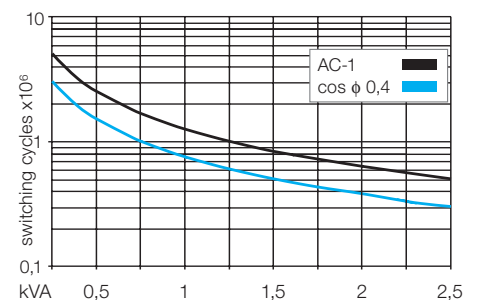
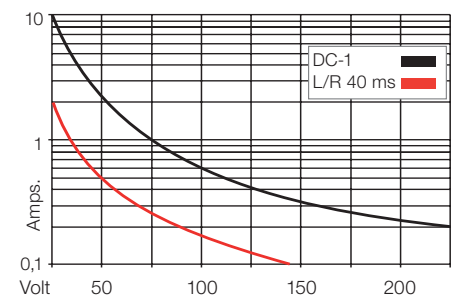
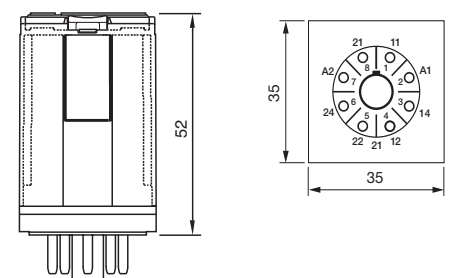


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947