

C9-E2x

2 pole | changeover contact | sensitive coil | plug-in Faston

Maximum contact load	5 A/250 V AC-1	5 A/30 V DC-1
Recommended minimum contact load	10 mA/10 V Code 1	

Contacts		Code 1	AgNi + 0.2 μ Au
Material	Standard		
Rated Load			5 A
Switch-on current max. (20 ms)			15 A
Switching voltage max.			250 V
AC load (Fig 1)			1200 VA
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		0.8 VA (AC)/0.5 W (DC)

Coil table						
V AC	Ω	mA	VDC	Ω	mA	
24	238	33	12	288	42	
48	1K	17	24	1K1	21	
115	5K9	7	48	4K6	10	
230	23K9	3.5	110	24K2	4.5	

Insulation		
Contact open		Volt rms / 1 min
Contact/contact		1000 V
Contact/coil		2.5 kV
Insulation resistance at 500 V		≥ 1 GΩ
Insulation, IEC 61810-1		2.5 kV

Specifications		
Ambient temperature operation/storage		-40...60 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time		10 ms/≤ 3 ms
Release time/bounce time		6 ms/≤ 1 ms
Mechanical life		AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load		≥ 100 000 switching cycles
Switching frequency at rated load		≤ 1200/h
Weight		40 g

Product References		
V AC 50 Hz/60 Hz: 24, 48, 115, 230 (240) LED		C9-E21/AC ... V C9-E21X/AC ... V
VDC 12, 24, 48, 110, 220 LED		C9-E21/DC ... V C9-E21X/DC ... V
Free wheeling diode (only 24 DC)		C9-E21DX/DC 24 V C9-E21FX/DC ... V
Polarity and free wheeling diode		
AC/DC bridge rectifier 24 V, 48 V, 60 V		C9-E21BX/UC ... V
Other voltages on request		

"..." List Coil Voltage to complete Product References

Accessories (See also Section Sockets)		
Socket:		S9-M, S9-P
Push only:		S9-OP (BAG 10 PCS)
Blanking Plug:		S9-NP (BAG 10 PCS)

Maximum voltage between two separate circuits on neighbouring contacts: 150 V
Not permitted: 24 V DC next to 230 V AC, 230 V AC next to neutral, 230 V AC next to 230 V AC of different phases
Permitted: 230 V AC next to 230 V AC same phase



Connection diagram

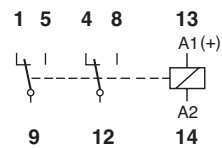


Fig.1 AC voltage endurance

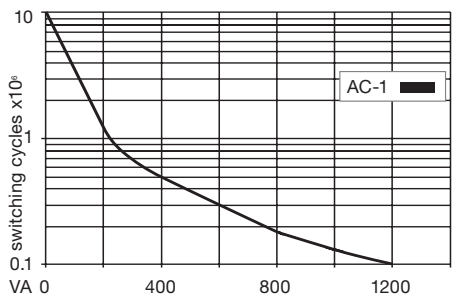
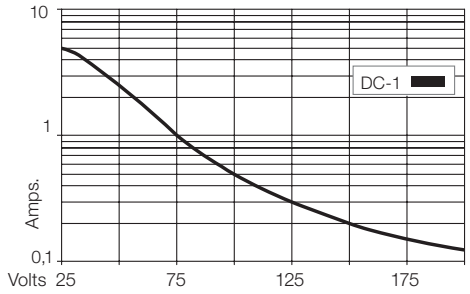
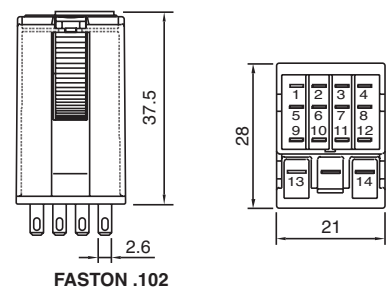


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947