

C9-R2x

2 pole | changeover contact | retentive | plug-in Faston

Maximum contact load	5 A/120V AC-1	5 A/30 V DC-1
Recommended minimum contact load	10 mA/10 V	

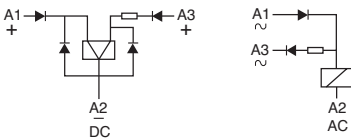
Contacts

Material	Standard	Code 1	AgNi + 0.2 μ Au
Rated Load			5 A
Switch-on current max. (20 ms)			15 A
Switching voltage max.			120V
AC load			600 VA
DC load			see Fig. 2

Coil

Coil resistance	see table; tolerance ± 10 %
ON pulse power	1.2 VA/W
OFF pulse power	0.3 VA/W
1 winding for AC, 2 winding for DC	

Internal Diagram:



Coil table

V	AC mA ON	mA OFF	VDC	mA ON	mA OFF
24	50	8	12	100	25
48	25	4	24	50	12
115	10	2	48	25	6
230	5	1	60	20	5

Insulation

Contact open	Volt rms / 1 min
Contact/contact	1000 V
Contact/coil	2 kV
Insulation resistance at 500 V	2 kV
Insulation, IEC 61810-1	≥1 GΩ
	2.5 kV

Specifications

Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Minimum pulse ON/OFF	50 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	43 g

Product References

AC 50 Hz/60 Hz: 24, 48, 115, 230

C9-R21/AC ... V

DC 12, 24, 48, 60

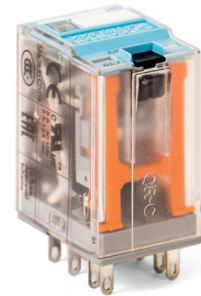
C9-R21/DC ... V

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)



Connection diagram

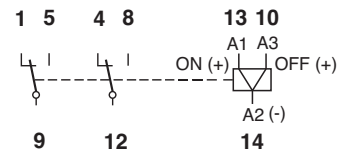


Fig.1 AC voltage endurance

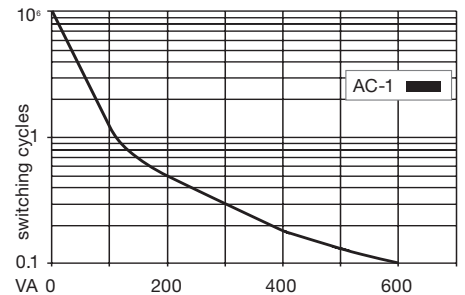
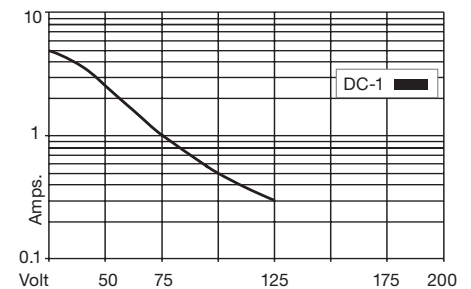
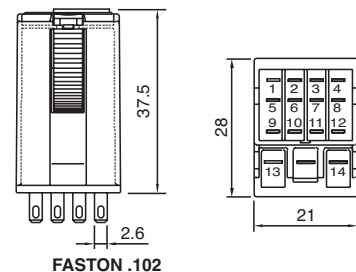


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947

Warning: 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