

C9-A4x**4 pole | changeover contact | 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		
	1 mA/5 V	Code 2		

Contacts

Material	Standard	Code 1	AgNi + 0.2 µ Au
	Optional	Code 2	AgNi + 5 µ Au
Rated Load			5 A
Max. inrush current (20 ms)			15 A
Switching voltage max (same polarity)			250 V
AC load fig. 1			1250 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	1.2 VA (AC)/1 W (DC)

Coil table

V AC	Ω	mA	V DC	Ω	mA
24	174	50	12	148	81
48	686	25	24	594	40
115	4K3	10.4	48	2K3	21
230	18K6	5.2	110	11K4	11

Insulation

Contact open	1000 V
Contact/contact	2 kV
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 ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100 000 switching cycles
Max. switching frequency at rated load	1200/h
Weight	43 g

Product References**V AC 50 Hz/60 Hz: 24, 48, 115, 230 (240)****LED****V DC 12, 24, 48, 110****LED****Free wheeling diode (only 24 DC)****Polarity and free wheeling diode****AC/DC bridge rectifier 24 V, 48 V, 60 V**

Other voltages on request

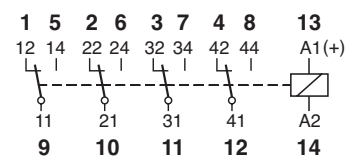
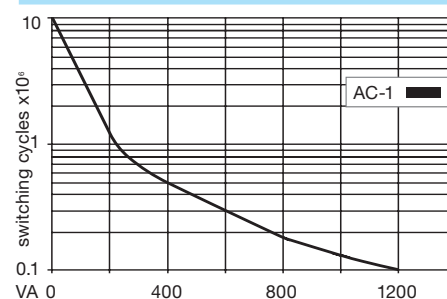
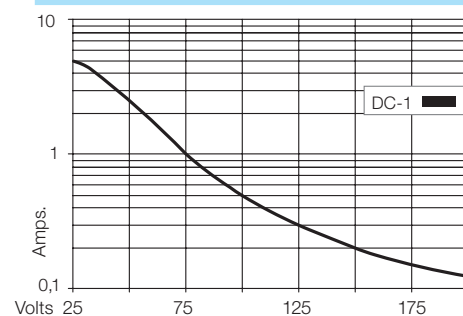
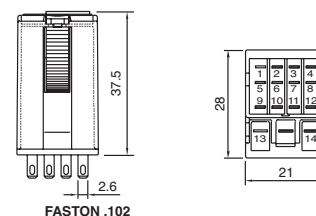
"..." List Coil Voltage to complete Product References

Accessories

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 (mm)****Technical approvals, conformities**

IEC/EN 61810; IEC/EN 60947

C9-R2x**2 pole | changeover contact | remanance | Faston**

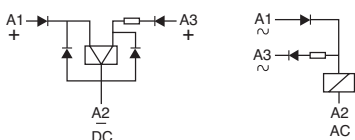
Maximum contact load	5 A/120V AC-1	5 A/30 V DC-1
Recommended minimum contact load	10 mA/10 V	

Contacts

Material	Standard	Code 1	AgNi + 0.2 μ Au
Rated Load			5 A
Max. inrush current (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	V DC	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	1000 V
Contact/contact	2 kV
Contact/coil	2 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)
Minimum pulse ON OFF	50 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100 000 switching cycles
Max. switching frequency at rated load	1200/h
Weight	43 g

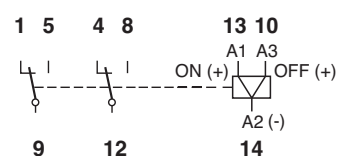
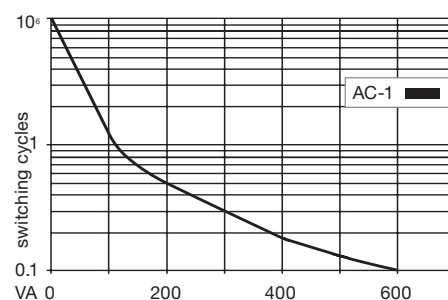
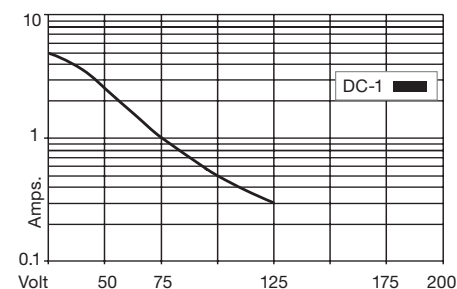
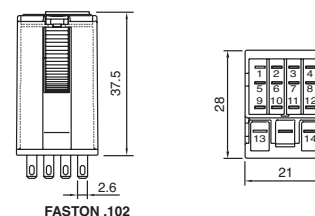
Product References**AC 50 Hz/60 Hz: 24, 48, 115, 230****C9-R21N/AC ... V****DC 12, 24, 48, 60****C9-R21N/DC ... V**

Other voltages on request

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

Accessories

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 (mm)****Technical approvals, conformities**

IEC/EN 61810; IEC/EN 60947