

C5-G3x

3 pole | normally open contact | plug-in Faston

Maximum contact load	16 A/400 V AC-1	1.2 A/110 V DC-1
	16 A/30 V DC-1	0.4 A/220 V DC-1

Contacts

Material	Standard	Code 0	⚡ AgNi
	Optional	Code 5	⚡ AgSnO ₂
Rated Load	16 A		
Switch-on current max. (20 ms)	40 A		
Switching voltage max.	400 V		
AC load (Fig 1)	4 kVA		
DC load	see Fig. 2		

Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0.8 x U _N
Release voltage	≥ 0.1 x U _N
Nominal power	2.4 VA (AC)/1.6 W (DC)

Coil table

V AC	Ω	mA	VDC	Ω	mA
24	65	100	12	90	133
48	286	50	24	373	66
115	1K7	21	48	1K4	34
230	6K8	10	110	7K6	15
400	18K8	6	220	30K3	7.5

Insulation

	Volt rms / 1 min
Contact open	2000 V
Contact/contact	4 kV
Contact/coil	4 kV
Insulation resistance at 500 V	≥ 3 GΩ
Insulation, IEC 61810-1	4 kV

Specifications

Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time	20 ms/≤ 3 ms
Release time/bounce time	10 ms/≤ 1 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥100 000 switching cycles
Switching frequency at rated load	≤ 1200/h
Weight	95 g

Product References

V AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)

LED

RC Suppressor (max 250 V)

C5-G30/AC ... V
C5-G30X/AC ... V
C5-G30R/AC ... V

C5-G35/AC ... V
C5-G35X/AC ... V
C5-G35R/AC ... V

VDC 12, 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

C5-G30/DC ... V
C5-G30X/DC ... V
C5-G30DX/DC ... V
C5-G30FX/DC ... V

C5-G35/DC ... V
C5-G35X/DC ... V
C5-G35DX/DC ... V
C5-G35FX/DC ... V

AC/DC bridge rectifier 24 V, 48 V, 60 V

Other voltages on request

C5-G30BX/UC ... V

C5-G35BX/UC ... V

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

Accessories (See also Section Sockets)

Socket:

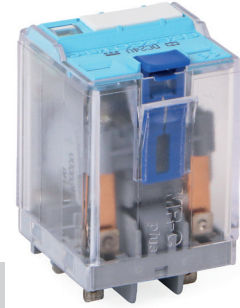
Wall Mounting Adapter:

Blanking Plug:

S5-M, S5-P

S5-R (BAG 5 PCS)

SO-NP (BAG 10 PCS)



Connection diagram

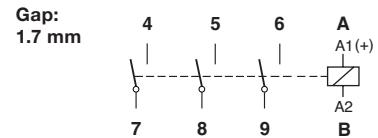


Fig.1 AC voltage endurance

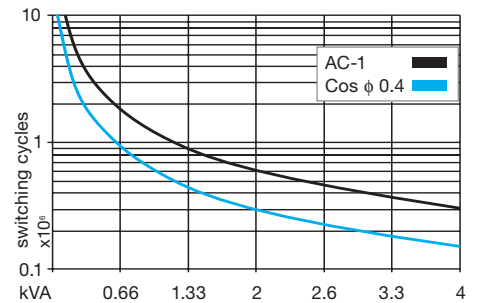
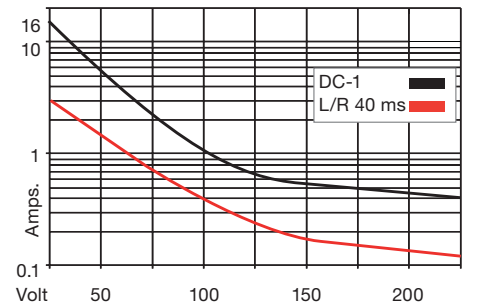
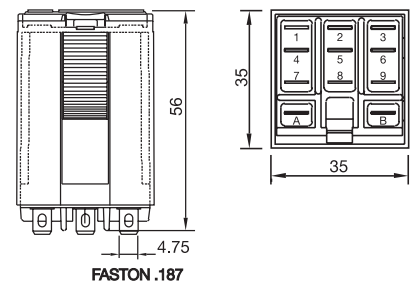


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947