

C10-A1x

1 pole | changeover contact | plug-in Faston

Maximum contact load	10 A/250 V AC-1	0.5 A/110 V DC-1
	10 A/30 V DC-1	0.2 A/220 V DC-1
	13 A/250 V AC-1	
Recommended minimum contact load	10 mA/10 V Code 0.5	
	5 mA/5 V Code 8	

Contacts

Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi + 5 μ Au
	Optional	Code 5	AgSnO ₂
Rated Load	10 A		
Switch-on current max. (20 ms)	30 A (120 A for code 5)		
Switching voltage max.	250 V		
AC load (Fig 1)	2.5 kVA		
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	1.1 VA (AC)/0.7 W (DC)

Coil table

V AC	Ω	mA	VDC	Ω	mA
24	290	45	12	224	53
48	1200	23	24	742	32
115	7.300	9.5	48	3.500	13.7
230	28.800	4.7	110	19.900	5.5

Insulation

	Volt rms / 1 min
Contact open	1000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	4 kV

Specifications

Ambient temperature operation/storage	-40 ... 70 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time	10 ms/ ≤ 1 ms
Release time/bounce time	5 ms/ ≤ 3 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	21 g

Product References

V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	C10-A10/AC...V	C10-A18/AC...V	C10-A15/AC...V
LED	C10-A10X/AC...V	C10-A18X/AC...V	C10-A15X/AC...V
RC Suppressor	C10-A10R/AC...V	C10-A18R/AC...V	C10-A15R/AC...V
VDC 12, 24, 48, 110	C10-A10/DC...V	C10-A18/DC...V	C10-A15/DC...V
LED	C10-A10X/DC...V	C10-A18X/DC...V	C10-A15X/DC...V
Polarity and free wheeling diode	C10-A10FX/DC...V	C10-A18FX/DC...V	C10-A15FX/DC...V
V AC/DC bridge rectifier 24 V, 48 V	C10-A10BX/UC...V	C10-A18BX/UC...V	C10-A15BX/UC...V

Other voltages on request

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

Accessories

Socket: **S10, S10-P**



Connection diagram

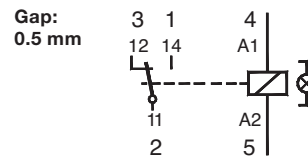


Fig.1 AC voltage endurance

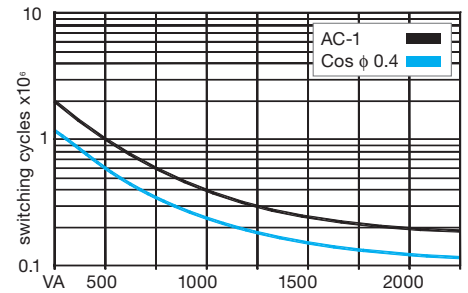
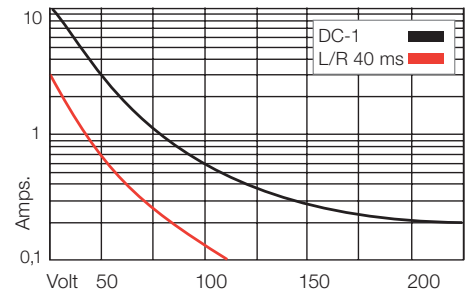
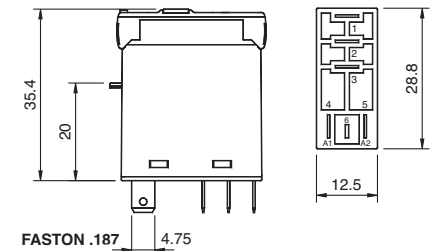


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947

C10-A1x

1 pole | changeover contact | plug-in Faston

Maximum contact load	10 A/250 V AC-1	0.5 A/110 V DC-1
	10 A/30 V DC-1	0.2 A/220 V DC-1
	13 A/250 V AC-1	
Recommended minimum contact load	10 mA/10 V Code 0.5	
	5 mA/5 V Code 8	

Contacts

Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi + 5 μ Au
	Optional	Code 5	AgSnO ₂
Rated Load	10 A		
Switch-on current max. (20 ms)	30 A (120 A for code 5)		
Switching voltage max.	250 V		
AC load (Fig 1)	2.5 kVA		
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	1.1 VA (AC)/0.7 W (DC)

Coil table

V AC	Ω	mA	VDC	Ω	mA
24	290	45	12	224	53
48	1200	23	24	742	32
115	7.300	9.5	48	3.500	13.7
230	28.800	4.7	110	19.900	5.5

Insulation

	Volt rms / 1 min
Contact open	1000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	4 kV

Specifications

Ambient temperature operation/storage	-40 ... 70 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time	10 ms/ ≤ 1 ms
Release time/bounce time	5 ms/ ≤ 3 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	21 g

Product References

V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	C10-A10/AC...V	C10-A18/AC...V	C10-A15/AC...V
LED	C10-A10X/AC...V	C10-A18X/AC...V	C10-A15X/AC...V
RC Suppressor	C10-A10R/AC...V	C10-A18R/AC...V	C10-A15R/AC...V
VDC 12, 24, 48, 110	C10-A10/DC...V	C10-A18/DC...V	C10-A15/DC...V
LED	C10-A10X/DC...V	C10-A18X/DC...V	C10-A15X/DC...V
Polarity and free wheeling diode	C10-A10FX/DC...V	C10-A18FX/DC...V	C10-A15FX/DC...V
V AC/DC bridge rectifier 24 V, 48 V	C10-A10BX/UC...V	C10-A18BX/UC...V	C10-A15BX/UC...V

Other voltages on request

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

Accessories

Socket: **S10, S10-P**



Connection diagram

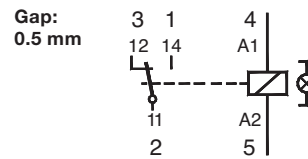


Fig.1 AC voltage endurance

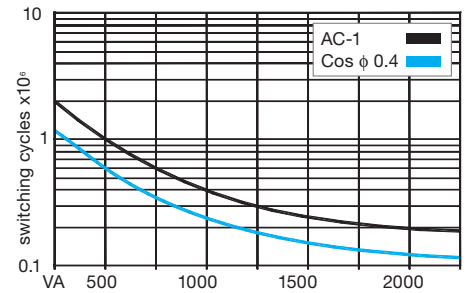
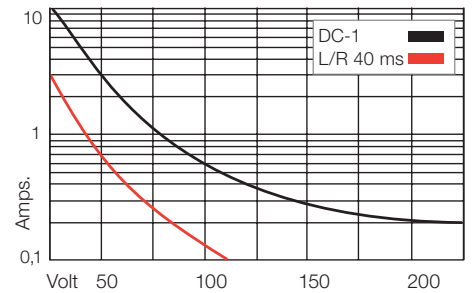
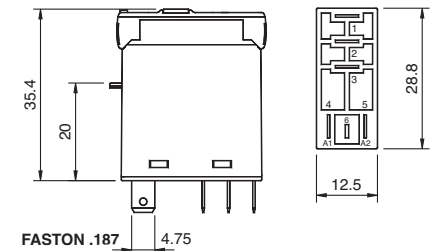


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947