

# C5-A3x

11-pin, power relay, 3-pole, plug-in, faston



**Type** C5-A3x/ ... V  
Power relays, 3 change-over contacts

**Maximum contact load** 16 A/400 V AC1 0,5 A/110 V DC1  
16 A/30 V DC1 0,2 A/220 V DC1

**Contacts**

Material	Standard	Code 0	AgNi
Rated current			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 <sub>N</sub>
Release voltage	≥ 0,1 x U <sub>N</sub>
Nominal power	2,4 VA (AC)/1,4 W (DC)

**Coil table**

VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	414	58
48	286	50	48	1K6	30
115	1K7	21	110	8K1	13
230	6K8	10	220	35K6	6,2
400	18K8	6			

**Insulation**

	Volt rms, 1 min
Contact open	1000 V
Contact/contact	4 kV
Contact/coil	4 kV
Insulation resistance at 500 V	≥3 GΩ
Insulation, IEC 61810-1	4 kV/3

**Specifications**

Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °C
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	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	95 g

**Standard types**

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

LED

RC suppressor (max 250 V)

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

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

C5-A30/AC ... V

C5-A30X/AC ... V

C5-A30R/AC ... V

C5-A30/DC ... V

C5-A30X/DC ... V

C5-A30DX/DC ... V

C5-A30FX/DC ... V

C5-A30BX/UC ... V

"..." Enter the voltage for full type designation

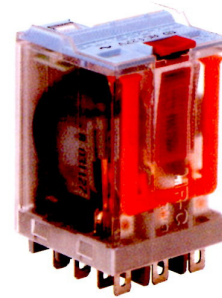
**Accessories**

Socket:

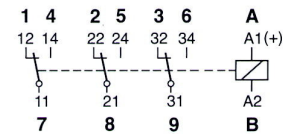
Optional accessories (blanking plug):

S5-S, S5-L, S5-P, S5-P0, S5-M

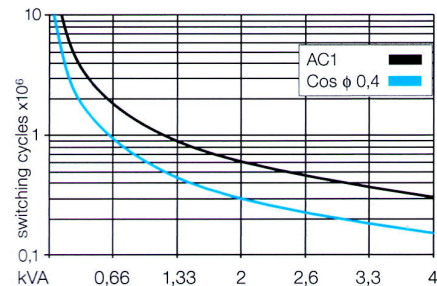
SO-NP, SO-OP



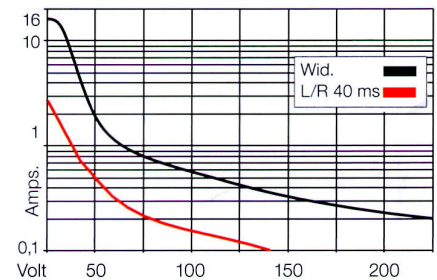
**Connection diagram**



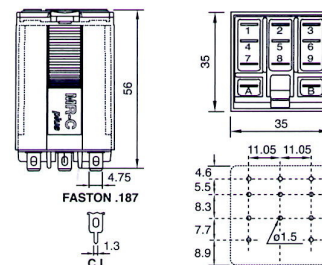
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



EN 60947; IEC 61810