

**C7-W1x**

**1 pole | normally open tungsten pre-contact | plug-in Faston**

<b>Maximum contact load:</b>	<b>10 A/250 V AC-1</b>	<b>6 A / 250 V AC-5a/b</b>
<b>Recommended minimum contact load:</b>	<b>10 mA/10 V</b>	

**Contacts**

Material	Standard	Code 0	⚡ AgNi/W
Rated Load			10 A
Switch-on current max. (2.5 ms)			500 A
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 x U <sub>N</sub>
Release voltage	≥ 0.1 x U <sub>N</sub>
Nominal power	1.5 VA (AC)/1.5 W (DC)

**Coil table**

V AC	Ω	mA	VDC	Ω	mA
24	153	62	12	99	121
48	611	31	24	388	61
115	3K6	13	48	1K5	32
230	14K5	6.5	110	8K	14

**Insulation**

Contact open	Volt rms / 1 min
Contact/coil	1000 V
Insulation resistance at 500 V	2.5 kV
Insulation, IEC 61810-1	≥ 1 GΩ
	2.5 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	43 g

**Product References**

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

VDC 12, 24, 48, 110

LED

Polarity and free wheeling diode

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

Other voltages on request

C7-W10/AC ... V  
C7-W10X/AC ... V

C7-W10/DC ... V  
C7-W10X/DC ... V  
C7-W10FX/DC ... V

C7-W10BX/UC ... V

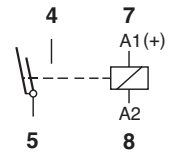
"..." List Coil Voltage to complete Product References

**Accessories** (See also Section Sockets)

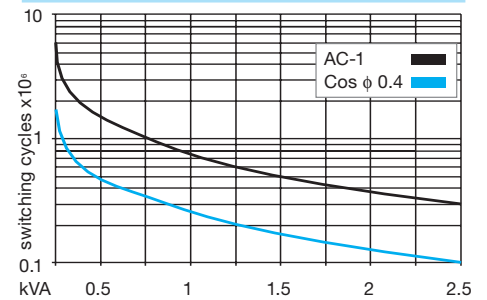
Socket:	<b>S7-C, S7-IO, S7-P,</b>
Push only:	<b>S9-OP (BAG 10 PCS)</b>
Blanking Plug:	<b>S9-NP (BAG 10 PCS)</b>



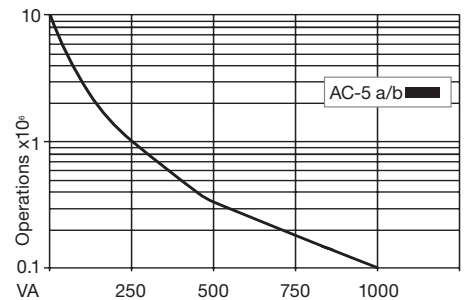
**Connection diagram**



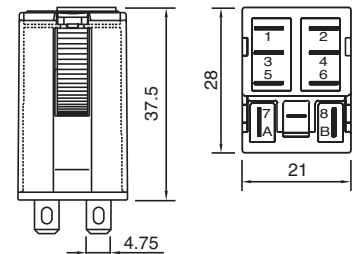
**Fig.1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions**



**Technical approvals, conformities**



IEC/EN 61810; IEC/EN 60947