

# C7-G2x

2 pole | normally open contact | plug-in Faston

|                             |                        |                         |
|-----------------------------|------------------------|-------------------------|
| <b>Maximum contact load</b> | <b>10 A/250 V AC-1</b> | <b>0.8 A/110 V DC-1</b> |
|                             | <b>10 A/30 V DC-1</b>  | <b>0.4 A/220 V DC-1</b> |

**Contacts**

|                                |          |        |            |
|--------------------------------|----------|--------|------------|
| Material                       | Standard | Code 0 | ⚡ AgNi     |
| Rated Load                     |          |        | 10 A       |
| Switch-on current max. (20 ms) |          |        | 30 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 × U <sub>N</sub>      |
| Release voltage | ≥ 0.1 × 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  | 14K6 | 6.5 | 110 | 8K  | 14  |

**Insulation**

|                                |                  |
|--------------------------------|------------------|
| Insulation                     | Volt rms / 1 min |
| Contact open                   | 2000 V           |
| Contact/contact                | 2.5 kV           |
| Contact/coil                   | 2.5 kV           |
| Insulation resistance at 500 V | ≥ 1 G.Ω          |
| 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              | 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

C7-G20/AC ... V  
C7-G20X/AC ... V

VDC 12, 24, 48, 110

LED

C7-G20/DC ... V  
C7-G20X/DC ... V  
C7-G20FX/DC ... V

Polarity and free wheeling diode

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

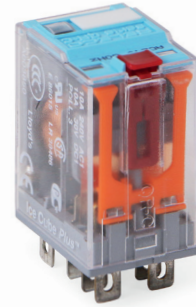
Other voltages on request

C7-G20BX/UC ... V

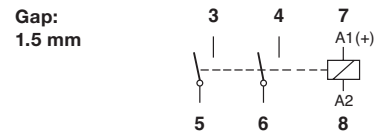
"..." List Coil Voltage to complete Product References

**Accessories** (See also Section Sockets)

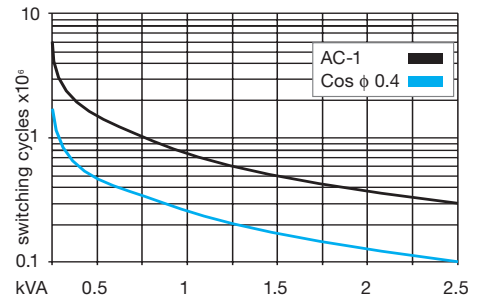
|                |                           |
|----------------|---------------------------|
| Socket:        | <b>S7-C, S7-IO, S7-P,</b> |
| Push only:     | <b>S9-OP (BAG 10 PCS)</b> |
| Blanking Plug: | <b>S9-NP (BAG 10 PCS)</b> |



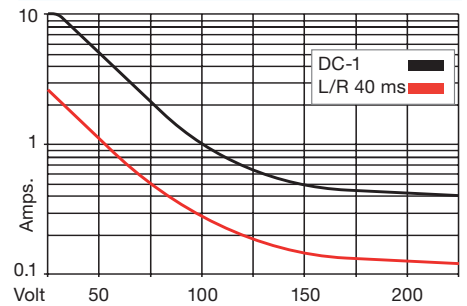
**Connection diagram**



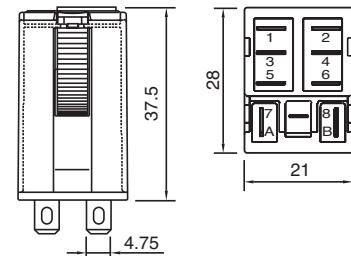
**Fig.1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions**



**Technical approvals, conformities**

