

|             |   |  |  |
|-------------|---|--|--|
| <b>Type</b> | <b>C7-G2x/ ... V</b><br>Power relay, DC application<br>2 open contacts, gap 1,5mm |  |  |
|-------------|---|--|--|

|                             |                       |                        |
|-----------------------------|-----------------------|------------------------|
| <b>Maximum contact load</b> | <b>10 A/250 V AC1</b> | <b>0,8 A/110 V DC1</b> |
|                             | <b>10 A/30 V DC1</b>  | <b>0,4 A/220 V DC1</b> |

|                                |          |        |            |
|--------------------------------|----------|--------|------------|
| <b>Contacts</b>                |          |        |            |
| Material                       | Standard | Code 0 | AgNi       |
| Rated current                  |          |        | 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 |

|                 |                                 |
|-----------------|---------------------------------|
| <b>Coil</b>     |                                 |
| Coil resistance | see table; tolerance $\pm 10\%$ |
| Pick-up voltage | $\leq 0,8 \times U_N$           |
| Release voltage | $\geq 0,1 \times U_N$           |
| Nominal power   | 1,5 VA (AC)/1,5 W (DC)          |

| <b>Coil table</b> |          |     |     |          |     |
|-------------------|----------|-----|-----|----------|-----|
| VAC               | $\Omega$ | mA  | VDC | $\Omega$ | 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  |

|                                |                          |
|--------------------------------|--------------------------|
| <b>Insulation</b>              |                          |
| Volt rms, 1 min                | 2000 V                   |
| Contact open                   | 2,5 kV                   |
| Contact/contact                | 2,5 kV                   |
| Contact/coil                   | $\geq 1 \text{ G}\Omega$ |
| Insulation resistance at 500 V | 2,5 kV/3                 |
| Insulation, IEC 61810-1        |                          |

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| <b>Specifications</b>                 |                                      |
| Ambient temperature operation/storage | -40 (no ice)...60 °C / -40 ... 80 °C |
| Pick-up time/bounce time              | 20 ms/ $\leq 3$ ms                   |
| Release time/bounce time              | 10 ms/ $\leq 1$ ms                   |
| Mechanical life ops                   | AC: 10 Mill./DC: 20 Mill.            |
| DC voltage endurance at rated load    | $\geq 100000$ switching cycles       |
| Switching frequency at rated load     | $\leq 1200$ /h                       |
| Protection class                      | IP40                                 |
| Weight                                | 43 g                                 |

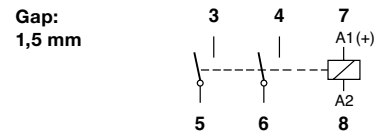
|  |                          |
|--|--------------------------|
| <b>Standard types</b>                                    | <b>C7-G20/AC ... V</b>   |
| <b>VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED</b> | <b>C7-G20X/AC ... V</b>  |
| <b>VDC 12, 24, 48, 110 LED</b>                           | <b>C7-G20/DC ... V</b>   |
| <b>Free wheeling diode</b>                               | <b>C7-G20X/DC ... V</b>  |
| <b>Polarity and free wheeling diode</b>                  | <b>C7-G20DX/DC ... V</b> |
|  | <b>C7-G20FX/DC ... V</b> |
| <b>AC/DC bridge rectifier 24 V, 48 V, 60 V</b>           | <b>C7-G20BX/UC ... V</b> |

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

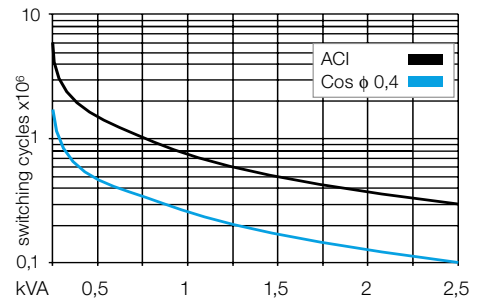
|                    |  |
|--------------------|--|
| <b>Accessories</b> |  |
| Socket:            | <b>S7-M, S7-I/O, S7-L, S7-P, S7-P0</b> |



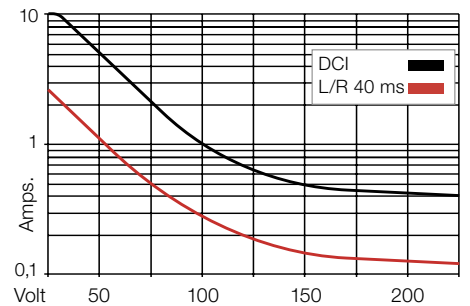
**Connection diagram**



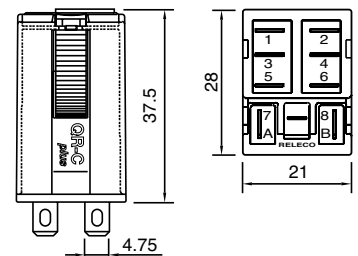
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



IEC 61810; EN 60947