

| | | | |
|---|--|-------------------------|--|
| Type | C3-N3x/DC ... V Sensitive relays, 800 mW 3 change-over contacts | | |
| Operating range | 0,8 ... 1,4 x Un | | |
| Maximum contact load | 6 A/250 V AC 1 | 6 A/30 V DC1 | |
| Recommended minimum contact load | 10 mA/10 V Code 4 | 5 mA/ 5 V Code 8 | |

| | | | |
|--------------------------------|------------|--------|-----------------|
| Contacts | | | |
| Material | Standard | Code 4 | AgNi + 0,2 μ Au |
| | Optional | Code 8 | AgNi + 10 μ Au |
| Rated current | 6 A | | |
| Switch-on current max. (20 ms) | 15 A | | |
| Switching voltage max. | 250 V | | |
| AC load (Fig 1) | 1,5 kVA | | |
| DC load | see Fig. 2 | | |

| | |
|-----------------|-----------------------------|
| Coil | |
| Coil resistance | see table; tolerance ± 10 % |
| Pick-up voltage | ≤ 0,8 x U _N |
| Release voltage | ≥ 0,1 x U _N |
| Nominal power | 800 mW |

| Coil table | | | | | | | | | | | | | | | | |
|-------------------|--|-----|---|----|----|-----|----|----|-----|----|----|-----|----|-----|-----|---|
| | <table border="1"> <thead> <tr> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>720</td> <td>33</td> </tr> <tr> <td>48</td> <td>2K8</td> <td>17</td> </tr> <tr> <td>60</td> <td>4K5</td> <td>13</td> </tr> <tr> <td>110</td> <td>15K</td> <td>7</td> </tr> </tbody> </table> | VDC | Ω | mA | 24 | 720 | 33 | 48 | 2K8 | 17 | 60 | 4K5 | 13 | 110 | 15K | 7 |
| VDC | Ω | mA | | | | | | | | | | | | | | |
| 24 | 720 | 33 | | | | | | | | | | | | | | |
| 48 | 2K8 | 17 | | | | | | | | | | | | | | |
| 60 | 4K5 | 13 | | | | | | | | | | | | | | |
| 110 | 15K | 7 | | | | | | | | | | | | | | |

| | |
|--------------------------------|-----------------|
| Insulation | Volt rms, 1 min |
| Contact open | 1000 V |
| Contact/contact | 2,5 kV |
| Contact/coil | 2,5 kV |
| Insulation resistance at 500 V | ≥1 GΩ |
| Insulation, IEC 61810-5 | 2,5 kV/3 |

| | |
|---------------------------------------|-------------------------------------|
| Specifications | |
| Ambient temperature operation/storage | -40 (no ice)...60 °C /-40 ... 80 °C |
| Pick-up time/bounce time | 18 ms/≤ 3 ms |
| Release time/bounce time | 10 ms/≤ 1 ms |
| Mechanical life ops | DC: 20 Mill. |
| DC voltage endurance at rated load | ≥100000 switching cycles |
| Switching frequency at rated load | ≤ 1200/ops/h |
| Protection class | IP40 |
| Weight | 90 g |

| | |
|----------------------------------|---|
| Standard types | |
| VDC 24, 48, 60, 110 | |
| Free wheeling diode | C3-N34/DC ... V C3-N38/DC ... V |
| Polarity and free wheeling diode | C3-N34D/DC ... V C3-N38D/DC ... V |
| | C3-N34F/DC ... V C3-N38F/DC ... V |

Connection of diodes to the coil will increase the release time.
LED available upon request.

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

| | |
|---------------------------------------|--|
| Accessories | |
| Socket: | S3-B, S3-S, S3-L, S3-P, S3-P0, S3-MP, S3-MS |
| Optional accessories (blanking plug): | SO-NP, SO-OP |



Connection diagram

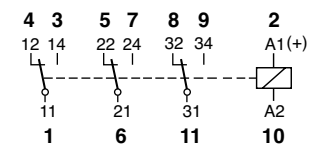


Fig. 1 AC voltage endurance

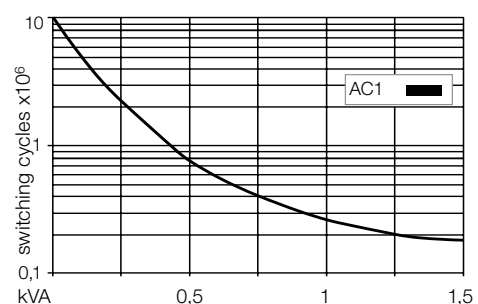
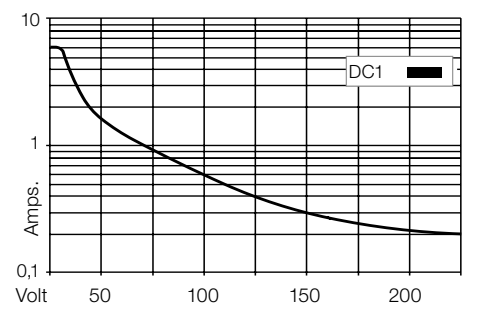
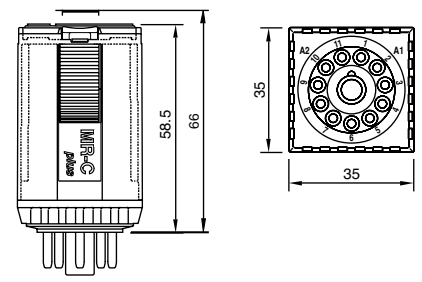


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947