

|                                         |                                                                             |                  |                    |            |
|-----------------------------------------|-----------------------------------------------------------------------------|------------------|--------------------|------------|
| <b>Type</b>                             | <b>C3-R2x/ ... V</b><br>Remanence plug-in relays,<br>2 change-over contacts |                  |                    |            |
| <b>Maximum contact load</b>             | <b>10 A/250 V</b>                                                           | <b>AC1</b>       | <b>0,5 A/110 V</b> | <b>DC1</b> |
|                                         | <b>10 A/30 V</b>                                                            | <b>DC1</b>       | <b>0,2 A/220 V</b> | <b>DC1</b> |
| <b>Recommended minimum contact load</b> | <b>10 mA/10 V</b>                                                           | <b>Code 0, 9</b> |                    |            |
|                                         | <b>5 mA/5 V</b>                                                             | <b>Code 8</b>    |                    |            |

#### Contacts

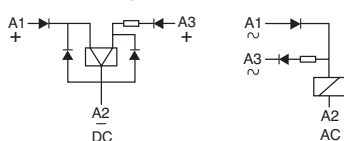
|          |          |        |                 |
|----------|----------|--------|-----------------|
| Material | Standard | Code 0 | AgNi            |
|          | Optional | Code 8 | AgNi + 10 µ Au  |
|          | Optional | Code 9 | AgNi + 0,2 µ Au |

|                                |            |
|--------------------------------|------------|
| 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 |

#### Coil

|                 |                             |
|-----------------|-----------------------------|
| Coil resistance | see table; tolerance ± 10 % |
| ON pulse power  | 1,5 VA/W                    |
| OFF pulse power | 0,5 VA/W                    |
| Pull-in ON/OFF  | ≤ 0,8 x U <sub>N</sub>      |

#### Internal Diagram:



#### Coil table

| VAC | mA ON | mA OFF | VDC | mA ON | mA OFF |
|-----|-------|--------|-----|-------|--------|
| 24  | 75    | 12     | 12  | 125   | 41     |
| 48  | 38    | 6      | 24  | 63    | 21     |
| 115 | 16    | 2,5    | 48  | 31    | 10     |
| 230 | 8     | 1,3    | 110 | 14    | 4,5    |

#### Insulation

|                                |                 |
|--------------------------------|-----------------|
| 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 61810-1        | 2,5 kV/3        |

#### Specifications

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Ambient temperature operation/storage | -40 (no ice)...60 °C / -40 ... 80 °C |
| Minimum pulse length for ON/OFF       | 50 ms                                |
| Mechanical life ops                   | 10 Mill.                             |
| DC voltage endurance at rated load    | ≥ 100000 switching cycles            |
| Switching frequency at rated load     | ≤ 1200/ops/h                         |
| Protection class                      | IP40                                 |
| Weight                                | 95 g                                 |

#### Standard types

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

VDC 12, 24, 48, 110

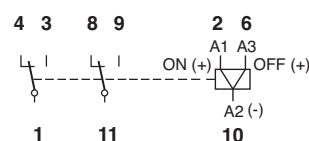
"..." Enter the voltage for full type designation

#### Accessories

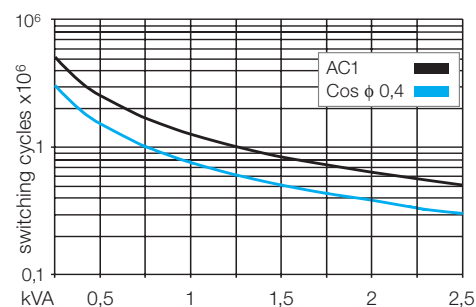
|                                       |                                             |
|---------------------------------------|---------------------------------------------|
| Socket:                               | S3-B, S3-S, S3-L, S3-P, S3-P0, S3-MP, S3-MS |
| Optional accessories (blanking plug):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



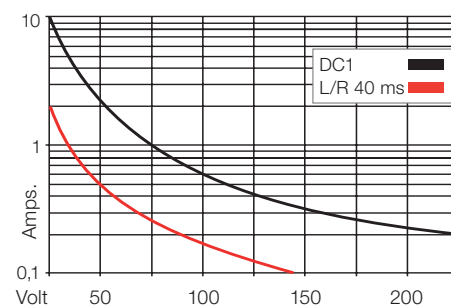
#### Connection diagram



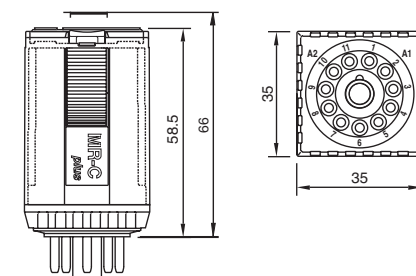
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



#### Dimensions [mm]



#### Technical approvals, conformities



IEC 61810; EN 60947