

# Instantaneous

## CU - B/C



## High DC breaking capacity 8 A, 2 C/O (weld no transfer)

Heavy duty miniature power relays for demanding applications, switching of AC & DC voltages, resistive and / or inductive loads. integrated magnetic arc blow-out function.

- Plug in (CU) or PCB (CP)
- Miniature
- 2 C/O contacts
- DC or AC coil
- Flash barrier
- Magnetic arc blowout
- Cadmium free contacts
- Equiped with keying

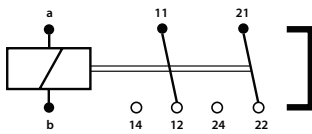
### Standards

EN 60255  
EN 60947  
EN 60947-5-1  
IEC 61810  
CE

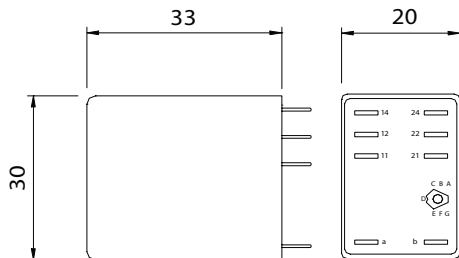
### Pin arrangement



### Connection diagram



### Dimensions



### Contact specifications

|                          |                   |
|--------------------------|-------------------|
| Contact material         | Ag                |
| Number & configuration   | 2 C/O             |
| Rated continuous current | 8 A               |
| Breaking capacity AC1    | 2.6 A / 250 V     |
| Breaking capacity DC1    | 300 mA / 300 V    |
| Max. make current        | 10 A              |
| Max. switching voltage   | 300 VDC / 250 VAC |
| Min. switched voltage    | 12 V              |
| Min. switched current    | 10 mA             |

### Coil specifications

|                             |                 |
|-----------------------------|-----------------|
| Nominal voltage ( $U_n$ DC) | 6...125 VDC     |
| Nominal voltage ( $U_n$ AC) | 24...240 VAC    |
| Operating range VDC/VAC     | 0.8...1.1 $U_n$ |

### Technical data

|                                    |  |
|------------------------------------|--|
| Mechanical life cycles CU-B / CU-C | 10 x 10 <sup>6</sup> / 5 x 10 <sup>6</sup> |
| Dielectric strength, coil-contact  | 4000 VAC                                   |
| Isolation class                    | C 250                                      |
| Pick up time DC/AC                 | 12 / 11 ms                                 |
| Drop-out time DC/AC                | 5 / 12 ms                                  |
| Ambient temperature                | -25 °C...+55 °C                            |
| Weight                             | 40 g                                       |
| Dimensions                         | 20 x 30 x 33 mm                            |
| Protection category                | IP40                                       |

### Remarks

AC coil: 50/60 Hz

### Most common types

#### CU-B = DC coil

|        |         |           |
|--------|---------|-----------|
| CU-B48 | 6 VDC   | 330220100 |
| CU-B42 | 12 VDC  | 330220200 |
| CU-B36 | 24 VDC  | 330220300 |
| CU-B30 | 48 VDC  | 330220400 |
| CU-B28 | 60 VDC  | 330220500 |
| CU-B23 | 110 VDC | 330220600 |
| CU-B22 | 125 VDC | 330220702 |

#### ACU-C = C coil

|        |                |           |
|--------|----------------|-----------|
| CU-C48 | 12 V 50/60 Hz  | 330220800 |
| CU-C42 | 24 V 50/60 Hz  | 330220900 |
| CU-C35 | 48 V 50/60 Hz  | 330221100 |
| CU-C28 | 110 V 50/60 Hz | 330221300 |
| CU-C22 | 220 V 50/60 Hz | 330221400 |

Other voltages on request

See page 95 for sockets & accessories