

# Product data sheet

## Characteristics

# RE7CL11BU

symmetrical flashing relay - 0.05..1 s - 24 V AC  
DC - 1OC

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 164.00 USD



## Main

|                           |                                                |
|---------------------------|------------------------------------------------|
| Commercial Status         | Commercialised                                 |
| Range of product          | Zelio Time                                     |
| Product or component type | Industrial timing relay                        |
| Component name            | RE7                                            |
| Time delay type           | D                                              |
| Time delay range          | 0.05 s...300 h                                 |
| [Us] rated supply voltage | 24 V AC/DC 50/60 Hz<br>110...240 V AC 50/60 Hz |

## Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Discrete output type                        | Relay                                                                                                                                                                                                                                                                                                                             |
| Contacts material                           | 90/10 silver nickel contacts                                                                                                                                                                                                                                                                                                      |
| Width pitch dimension                       | 0.89 in (22.5 mm)                                                                                                                                                                                                                                                                                                                 |
| Voltage range                               | 0.85...1.1 Us                                                                                                                                                                                                                                                                                                                     |
| Connections - terminals                     | Screw terminals, clamping capacity: 2 x 2.5 mm <sup>2</sup> flexible without cable end<br>Screw terminals, clamping capacity: 2 x 1.5 mm <sup>2</sup> flexible with cable end                                                                                                                                                     |
| Tightening torque                           | 5.31...9.73 lbf.in (0.6...1.1 N.m)                                                                                                                                                                                                                                                                                                |
| Setting accuracy of time delay              | +/- 10 % of full scale                                                                                                                                                                                                                                                                                                            |
| Repeat accuracy                             | +/- 0.2 %                                                                                                                                                                                                                                                                                                                         |
| Temperature drift                           | < 0.07 %/°C                                                                                                                                                                                                                                                                                                                       |
| Voltage drift                               | < 0.2 %/V                                                                                                                                                                                                                                                                                                                         |
| Minimum pulse duration                      | 20 ms                                                                                                                                                                                                                                                                                                                             |
| Reset time                                  | 50 ms                                                                                                                                                                                                                                                                                                                             |
| Maximum switching voltage                   | 250 V AC/DC                                                                                                                                                                                                                                                                                                                       |
| Mechanical durability                       | 20000000 cycles                                                                                                                                                                                                                                                                                                                   |
| [Ith] conventional free air thermal current | 8 A                                                                                                                                                                                                                                                                                                                               |
| [Ie] rated operational current              | <= 0.2 A DC-13 115 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660<br><= 0.1 A DC-13 250 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660<br><= 3 A AC-15 at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660<br><= 2 A DC-13 24 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660 |
| Minimum switching capacity                  | 12 V/10 mA                                                                                                                                                                                                                                                                                                                        |
| Marking                                     | CE                                                                                                                                                                                                                                                                                                                                |
| Overvoltage category                        | III conforming to IEC 60664-1                                                                                                                                                                                                                                                                                                     |
| [Ui] rated insulation voltage               | 300 V between contact circuit and power supply CSA certified<br>300 V between contact circuit and control inputs CSA certified<br>250 V between contact circuit and power supply IEC certified<br>250 V between contact circuit and control inputs IEC certified                                                                  |
| Supply disconnection value                  | > 0.1 Uc                                                                                                                                                                                                                                                                                                                          |
| Operating position                          | Any position without derating                                                                                                                                                                                                                                                                                                     |
| Surge withstand                             | 2 kV conforming to IEC 61000-4-5 level 3                                                                                                                                                                                                                                                                                          |
| Power consumption in VA                     | 8.5 VA 240 V<br>1.8 VA 110 V<br>1.6 VA 48 V<br>0.7 VA 24 V                                                                                                                                                                                                                                                                        |

|                        |                                     |
|------------------------|-------------------------------------|
| Power consumption in W | 1.2 W 48 V<br>0.5 W 24 V            |
| Terminal description   | (15-16-18)OC_ON<br>(B1-A2)CO<br>ALT |
| Height                 | 3.07 in (78 mm)                     |
| Width                  | 0.89 in (22.5 mm)                   |
| Depth                  | 3.15 in (80 mm)                     |
| Product weight         | 0.33 lb(US) (0.15 kg)               |

## Environment

|                                       |                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | 3 ms                                                                                                       |
| Standards                             | EN/IEC 61812-1                                                                                             |
| Product certifications                | CSA<br>GL<br>UL                                                                                            |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                                                                 |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C)                                                                                  |
| Relative humidity                     | 15...85 % (3K3) conforming to IEC 60721-3-3                                                                |
| Vibration resistance                  | 0.35 mm (f = 10...55 Hz) conforming to IEC 60068-2-6                                                       |
| Shock resistance                      | 15 gn for 11 ms conforming to IEC 60068-2-27                                                               |
| IP degree of protection               | IP50 (housing)<br>IP20 (terminals)                                                                         |
| Pollution degree                      | 3 conforming to IEC 60664-1                                                                                |
| Dielectric strength                   | 2.5 kV                                                                                                     |
| Non-dissipating shock wave            | 4.8 kV                                                                                                     |
| Resistance to electrostatic discharge | 8 kV (in air) conforming to IEC 61000-4-2 level 3<br>6 kV (in contact) conforming to IEC 61000-4-2 level 3 |
| Resistance to electromagnetic fields  | 9.14 V/yd (10 V/m) conforming to IEC 61000-4-3 level 3                                                     |
| Resistance to fast transients         | 2 kV conforming to IEC 61000-4-4 level 3                                                                   |
| Disturbance radiated/conducted        | CISPR 11 group 1 - class A<br>CISPR 22 - class A                                                           |

## Ordering and shipping details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Category              | 22376 - RELAYS-MEASUREMENT(RM4)                           |
| Discount Schedule     | CP2                                                       |
| GTIN                  | 00785901481409                                            |
| Nbr. of units in pkg. | 1                                                         |
| Package weight(Lbs)   | 0.24                                                      |
| Product availability  | Non-Stock - Not normally stocked in distribution facility |
| Returnability         | N                                                         |
| Country of origin     | ID                                                        |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|