# Product datasheet

Specifications



## Modular timing relay, 8 A, 1 CO, 1 s..100 h, off delay, 24...240 V AC

Local distributor code:

397857254 RE17RCMU

**EAN Code: 3606480552694**

## Main

| | |
|---|---|
| **Range of product** | Harmony Timer Relays |
| **Discrete output type** | Relay |
| **Product or component type** | Modular timing relay |
| **Width** | 17.5 mm |
| **Device short name** | RE17R |
| **Time delay type** | Off-delay |
| **Time delay range** | 6...60 s<br>1...10 h<br>1...10 min<br>6...60 min<br>0.1...1 s<br>1...10 s<br>10...100 h |
| **nominal output current** | 8 A |

## Complementary

| | |
|---|---|
| **Contacts type and composition** | 1 C/O |
| **Contacts material** | Cadmium free |
| **Height** | 90 mm |
| **Depth** | 72 mm |
| **Control type** | Selector switch front panel |
| **[Us] rated supply voltage** | 24...240 V AC 50/60 Hz<br>24 V DC |
| **Voltage range** | 0.85...1.1 Us |
| **Supply frequency** | 50...60 Hz +/- 5 % |
| **release of input voltage** | 10 V |
| **Connections - terminals** | Screw terminals, 1 x 0.5...1 x 3.3 mm² (20 AWG...12 AWG) solid without cable end<br>Screw terminals, 2 x 0.5...2 x 2.5 mm² (20 AWG...14 AWG) solid without cable end<br>Screw terminals, 1 x 0.2...1 x 2.5 mm² (24 AWG...14 AWG) flexible with cable end<br>Screw terminals, 2 x 0.2...2 x 1.5 mm² (24 AWG...16 AWG) flexible with cable end |
| **Tightening torque** | 0.6…1 N.m conforming to IEC 60947-1 |
| **Housing material** | Polycarbonate |
| **Repeat accuracy** | +/- 0.5 % conforming to IEC 61812-1 |
| **Temperature drift** | +/- 0.05 %/°C |
| **Voltage drift** | +/- 0.2 %/V |
| **Setting accuracy of time delay** | +/- 10 % of full scale at 25 °C conforming to IEC 61812-1 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Time delay type** | Off-delay - C- Off-delay relay w/ control signal |
| **control signal pulse width** | 100 ms with load in parallel typical<br>30 ms typical |
| **Insulation resistance** | 100 MOhm at 500 V DC conforming to IEC 60664-1 |
| **Reset time** | 120 ms on de-energisation typical |
| **On-load factor** | 100 % |
| **Power consumption in VA** | 0…32 VA at 240 V AC |
| **Maximum power consumption in W** | 0.6 W at 24 V DC |
| **Minimum switching current** | 10 mA at 5 V DC |
| **Maximum switching current** | 8 A AC/DC |
| **Maximum switching voltage** | 250 V AC |
| **breaking capacity** | 2000 VA |
| **operating frequency** | 10 Hz |
| **Electrical durability** | 100000 cycles (8 A at 250 V AC maximum) for resistive load |
| **Mechanical durability** | 10000000 cycles |
| **Dielectric strength** | 2.5 kV 1 mA/1 minute 50 Hz conforming to IEC 61812-1 |
| **[Uimp] rated impulse withstand voltage** | 5 kV during 1.2/50 µs |
| **power on delay** | 100 ms |
| **Marking** | CE |
| **Creepage distance** | 4 kV/3 conforming to IEC 60664-1 |
| **Safety reliability data** | B10d = 270000<br>MTTFd = 296.8 years |
| **Mounting position** | Any position in relation to normal vertical mounting plane |
| **Mounting support** | 35 mm DIN rail conforming to IEC 60715 |
| **Local signalling** | LED indicator for on steady: relay energised, no timing in progress<br>LED indicator for flashing: timing in progress 80 % ON and 20 % OFF<br>LED indicator for pulsing: relay de-energised, no timing in progress (except function Di-D, Li-L) 5 % ON and 95 % OFF |
| **Function available** | C- Off-delay relay w/ control signal-1 C/O |
| **Net weight** | 0.07 kg |
| **Control type** | Without test button |
| **Number of functions** | 1 |
| **Time delay type** | C |
| **Functionality** | Off-delay timing |
| **Compatibility code** | RE17 |

# Environment

| | |
|---|---|
| **Immunity to microbreaks** | 20 ms |
| **Standards** | IEC 61000-6-4<br>IEC 61000-6-2<br>IEC 61000-6-3<br>2004/108/EC<br>2006/95/EC<br>IEC 61812-1<br>IEC 61000-6-1 |

| | |
|---|---|
| **Product certifications** | cULus<br>GL<br>CSA |
| **Ambient air temperature for storage** | -30…60 °C |
| **Ambient air temperature for operation** | -20…60 °C |
| **IP degree of protection** | IP20 (terminal block) conforming to IEC 60529<br>IP40 (housing) conforming to IEC 60529<br>IP50 (front panel) conforming to IEC 60529 |
| **Vibration resistance** | 20 m/s² (f= 10…150 Hz) conforming to IEC 60068-2-6 |
| **Shock resistance** | 15 gn for 11 ms conforming to IEC 60068-2-27 |
| **Relative humidity** | 93 % without condensation conforming to IEC 60068-2-30 |
| **Electromagnetic compatibility** | Electrostatic discharge immunity test: (in contact), level 3, 6 kV, conforming to IEC 61000-4-2<br>Electrostatic discharge immunity test: (in air), level 3, 8 kV, conforming to IEC 61000-4-2<br>Susceptibility to electromagnetic fields: (80 MHz to 1 GHz), level 3, 10 V/m, conforming to IEC 61000-4-3<br>Electrical fast transient/burst immunity test: (capacitive connecting clip), level 3, 1 kV, conforming to IEC 61000-4-4<br>Electrical fast transient/burst immunity test: (direct), level 3, 2 kV, conforming to IEC 61000-4-4<br>1.2/50 µs shock waves immunity test: (differential mode), level 3, 1 kV, conforming to IEC 61000-4-5<br>1.2/50 µs shock waves immunity test: (common mode), level 3, 2 kV, conforming to IEC 61000-4-5<br>Conducted RF disturbances: (0.15...80 MHz), level 3, 10 V, conforming to IEC 61000-4-6<br>Voltage dips and interruptions immunity test: (1 cycle), 0 %, conforming to IEC 61000-4-11<br>Voltage dips and interruptions immunity test: (25/30 cycles), 70 %, conforming to IEC 61000-4-11<br>Conducted and radiated emissions: , class B, conforming to EN 55022 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 2.8 cm |
| **Package 1 Width** | 7.4 cm |
| **Package 1 Length** | 9.4 cm |
| **Package 1 Weight** | 80 g |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 40 |
| **Package 2 Height** | 15 cm |
| **Package 2 Width** | 30 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 3.706 kg |

## Logistical informations

| | |
|---|---|
| **Country of origin** | ID |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **53 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **2 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.1 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **51 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.2 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **7bdc2711-0ad2-427c-8ece-532c5e9f09d7** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |

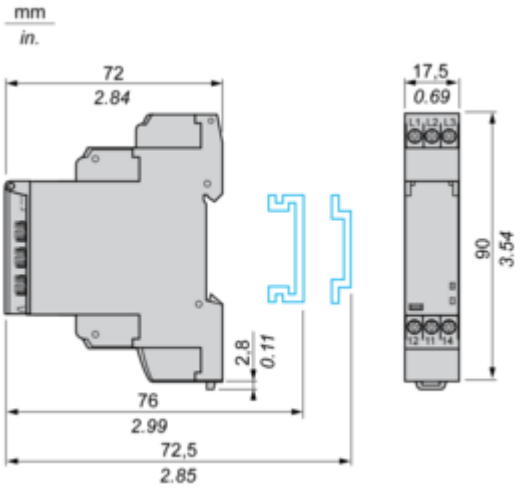
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **13** |
| End of life manual availability | **End of Life Information** |
| Take-back | **No** |

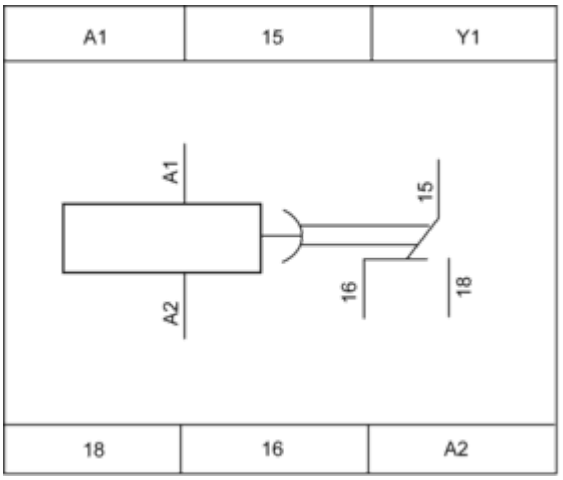
Dimensions Drawings

**Width 17.5 mm**

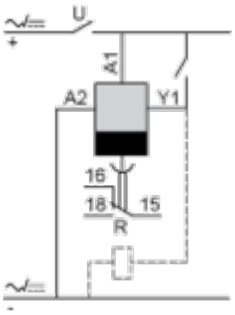


Connections and Schema

**Internal Wiring Diagram**



## Wiring Diagram



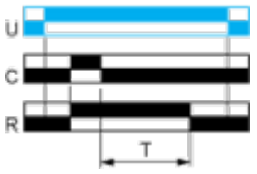
Technical Description

## Function C : Off-Delay Relay with Control Signal

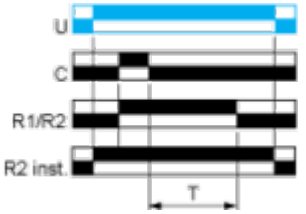
### Description

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

### Function: 1 Output




### Function: 2 Outputs




2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

## Legend

Relay de-energised
Relay energised
Output open
Output closed

| | |
|---|---|
| C | Control contact |
| G | Gate |
| R | Relay or solid state output |
| R1/R2 | 2 timed outputs |
| R2 inst. | The second output is instantaneous if the right position is selected |
| T | Timing period |
| Ta - | Adjustable On-delay |
| Tr - | Adjustable Off-delay |
| U | Supply |

Image of product / Alternate images

**Alternative**








A1
15
Y1
18
16
A2





Image of product in real life situation

