

CIM33R/UC24-240V

Multifunction | 24 ... 240 V AC / DC | 1 MOSFET



|                                                  |                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Time data</b>                                 |                                                                                          |
| Timing functions                                 | fig. 1 2: F, Q, G 3: I, P, H                                                             |
| Timing range                                     | 50 ms ... 60 h                                                                           |
| Timing scale                                     | 0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h                                         |
| <hr/>                                            |                                                                                          |
| <b>Main circuit</b>                              |                                                                                          |
| Number of outputs                                | 1 NO                                                                                     |
| Output type                                      |  MOSFET |
| Rated voltage                                    | 24 V DC                                                                                  |
| Rated current                                    | 5 A                                                                                      |
| Minimum load                                     | 1 mA, 1 V                                                                                |
| Inrush current                                   | 40 A, 10 us                                                                              |
| Typ. leakage current                             | 10 µA                                                                                    |
| Mechanical endurance (cycles)                    | ∞                                                                                        |
| Electrical endurance at rated load DC-1 (cycles) | ∞                                                                                        |
| <hr/>                                            |                                                                                          |
| <b>Control circuit</b>                           |                                                                                          |
| Nominal voltage                                  | 24 ... 240 V AC / DC                                                                     |
| Operating voltage range                          | 16.8 ... 250 V AC / DC                                                                   |
| Power consumption AC / DC                        | 1.2 VA / 430 mW                                                                          |
| Current consumption on supply A1-A2 AC / DC      | < 23 mA / < 23 mA                                                                        |
| Current consumption on input control B1 AC / DC  | < 22 mA / < 22 mA                                                                        |
| Threshold voltage on input control B1 AC / DC    | 13 V / 15 V                                                                              |
| Frequency range                                  | 0; 16 ... 63 Hz                                                                          |
| <hr/>                                            |                                                                                          |
| <b>Insulation</b>                                |                                                                                          |
| Rated test voltage control / main circuit        | 2.5 kV rms / 1 min                                                                       |
| Pollution degree                                 | 2                                                                                        |
| Overvoltage category                             | III                                                                                      |
| <hr/>                                            |                                                                                          |
| <b>General data</b>                              |                                                                                          |
| Storage temperature (no ice)                     | -40 ... 85 °C                                                                            |
| Operation temperature                            | -40 ... 70 °C                                                                            |
| Conductor cross section control / main circuit   | 2.5 mm², 2 x 1.5 mm²                                                                     |
| Nominal screw torque control / main circuit      | 0.5 Nm                                                                                   |
| Dimensions                                       | fig. 2                                                                                   |
| Weight                                           | 70 g                                                                                     |
| Ingress Protection                               | IP 20                                                                                    |
| Housing material                                 | PA                                                                                       |

| <b>Product references</b>                                          |               |        |
|--------------------------------------------------------------------|---------------|--------|
| Description                                                        | Type          | 24-240 |
| AC / DC Supply                                                     | CIM33R/UC...V | ✓      |
| Other voltages on request. Please contact support@comatreleco.com. |               |        |
| «...» List control circuit voltage to complete product references. |               |        |

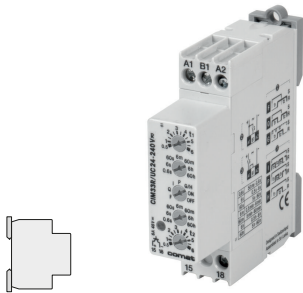


fig. 1. Wiring diagram

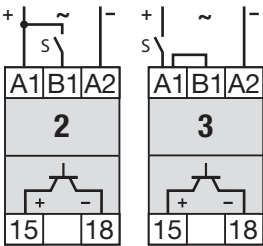
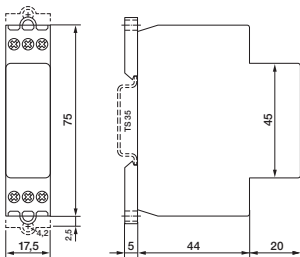


fig. 2. Dimensions (mm)



Technical approvals, conformities

|           |                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------|
| Standards | IEC/EN 61812-1                                                                                   |
| Railway   | EN 45545-2; EN 50155                                                                             |
| Approvals | <div> <div>CE</div> <div>c</div> <div>us</div> <div>EAC</div> <div>UK</div> <div>CA</div> </div> |