

CIM13R/UC24-240V

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



|                  |                                                  |
|------------------|--------------------------------------------------|
| <b>Time data</b> |                                                  |
| Timing functions | fig. 1 1: E 2: A, K, N, B1, S, LS 3: B, W        |
| Timing range     | 50 ms ... 60 h                                   |
| Timing scale     | 0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h |

|                                                  |                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------|
| <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) | ∞                                                                                        |

|                                                 |                        |
|-------------------------------------------------|------------------------|
| <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        |

|                                           |                    |
|-------------------------------------------|--------------------|
| <b>Insulation</b>                         |                    |
| Rated test voltage control / main circuit | 2.5 kV rms / 1 min |
| Pollution degree                          | 2                  |
| Overvoltage category                      | III                |

|                                                |                      |
|------------------------------------------------|----------------------|
| <b>General data</b>                            |                      |
| Storage temperature (no ice)                   | -40 ... 85 °C        |
| Ambient temperature operation derated power    | -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                                                     | CIM13R/UC...V | ✓      |
| Other voltages on request. Please contact support@comatreleco.com. |               |        |
| «...» List control circuit voltage to complete product references. |               |        |

|                    |                |
|--------------------|----------------|
| <b>Accessories</b> |                |
| Labels             | BZS DIN 17.5MM |

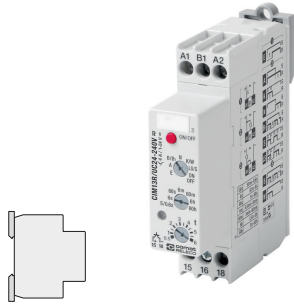


fig. 1. Wiring diagram

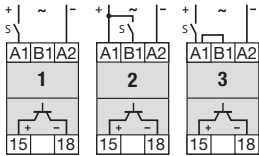
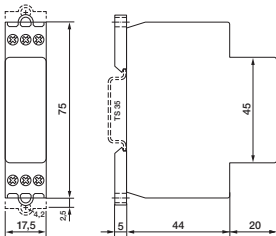


fig. 2. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61812-1

Railway EN 50155; EN 45545-2

Approvals    