

CIM23R

Multifunction | 24 ... 240 V UC | 1 MOSFET



Time data

| | |
|------------------|--|
| Timing functions | fig. 1 1: E 2: A, L, M, G 3: B2, H |
| Timing range | 50 ms ... 0.6 s / 0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min / 0.5 h ... 6 h / 5 h ... 60 h |
| Timing scale | 0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h |

Main circuit

| | |
|--|-------------|
| 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) | ∞ |

Control circuit

| | |
|---|-------------------|
| Nominal voltage | 24 ... 240 V UC |
| Operating voltage range | 16.8 ... 250 V UC |
| 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 |
| Rated frequency | 0; 16 ... 63 Hz |

Insulation

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

General data

| | |
|--------------------------------------|---|
| Ambient temperature storage (no ice) | -40 ... 85 °C |
| Ambient temperature operation | -40 ... 70 °C |
| Conductor cross section | 2.5 mm ² , 2 x 1.5 mm ² |
| Nominal screw torque | 0.4 Nm |
| Dimensions | fig. 2 |
| Weight | 70 g |
| Protection degree | IP 20 |
| Housing material | PC |

Product reference

| Description | Type | 24-240 |
|----------------------------|---------------|--------|
| UC supply, Railway version | CIM23R/UC...V | ✓ |

Other voltages on request. Please contact support@comatreleco.com.
«...» list control circuit voltage to complete product references.

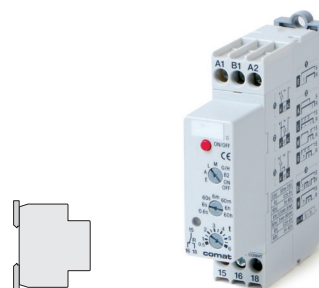


fig. 1. Wiring diagram

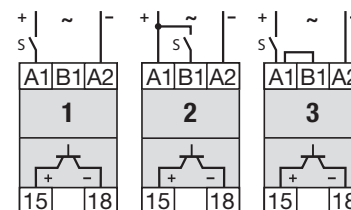
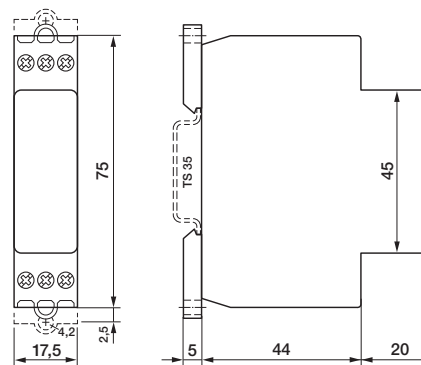


fig. 2. Dimensions (mm)

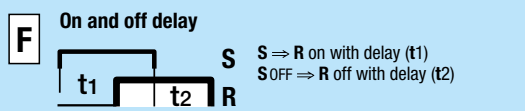
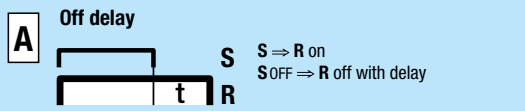
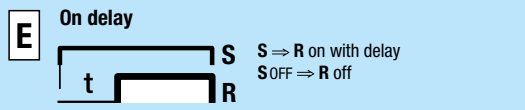


Standards and approvals

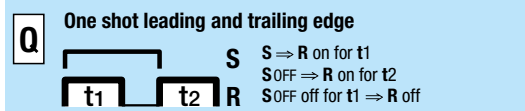
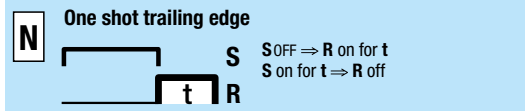
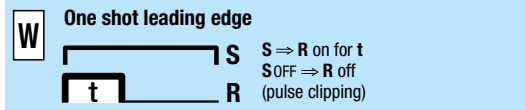
Standards IEC/EN 60947;
Railway standards EN 50155; EN 45545-2



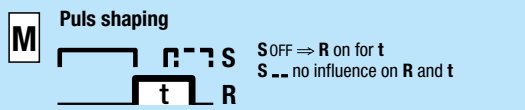
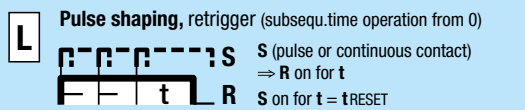
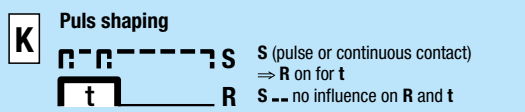
Delay functions



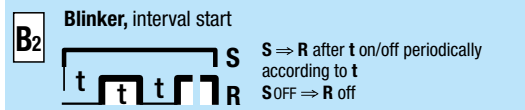
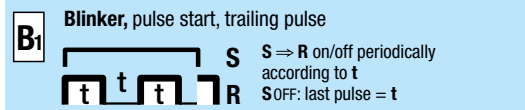
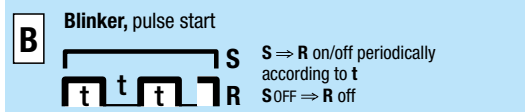
Shot timing modes



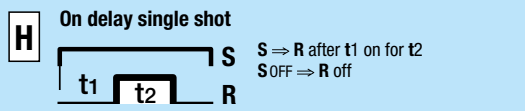
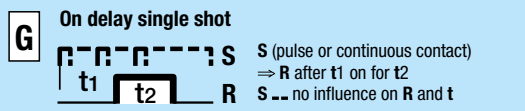
Puls shaping



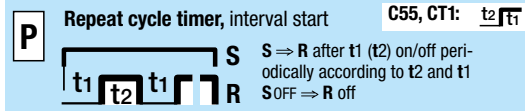
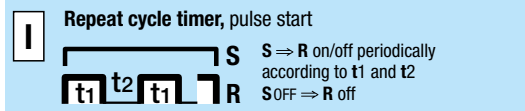
Blinker functions



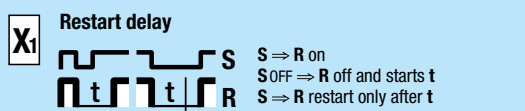
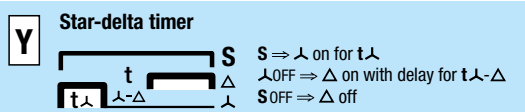
Delayed pulse



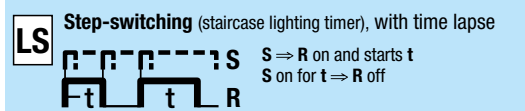
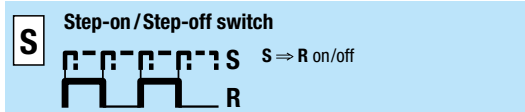
Repeat cycle timer



Special functions



Special functions



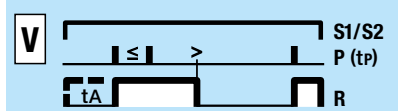
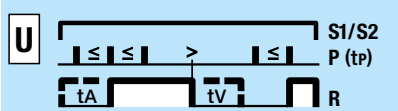
Stop / Reset



S = Triggering
R = Output circuit
⇒ = switches...



Pulse sequence monitoring



S1/S2 = Monitoring start
P = Pulse sequence
tP = Pulse separation

≤: Pulse separation is **smaller** than the time tP
>: Pulse separation is **larger** than the time tP

Start with S1 = **without** start-up short-out tA
Start with S2 = start-up short-out tA

tV = settable alarm delay
delay (tA = tV)

