

# CIM1R/UC24-240V

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



## Time data

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

## Main circuit

Number of contacts	1 CO
Available contact materials	AgNi
Rated voltage	250 V AC
Switching at zero crossing	yes ( $t_d > 0.6$ s)
Rated current	16 A
Minimum load	10 mA, 10 V
Inrush current	30 A, 10 ms
Rated load DC	fig. 3
Rated load AC-1	4,000 VA
Mechanical endurance (cycles)	$\geq 30\,000\,000$
Electrical endurance at rated load AC-1 (cycles)	fig. 2

## Control circuit

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

## Insulation

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

## General data

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-40 ... 70 °C
Conductor cross section control / main circuit	2.5 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup>
Nominal screw torque control / main circuit	0.5 Nm
Dimensions	fig. 4
Weight	70 g
Ingress Protection	IP 20
Housing material	PA

## Product references

Description	Type	24-240
AC / DC Supply	CIM1R/UC...V	✓

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

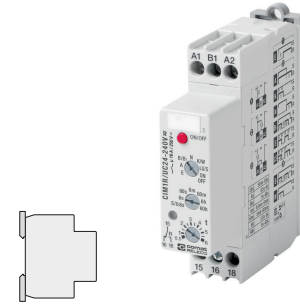


fig. 1. Wiring diagram

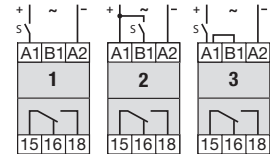


fig. 2. AC voltage endurance

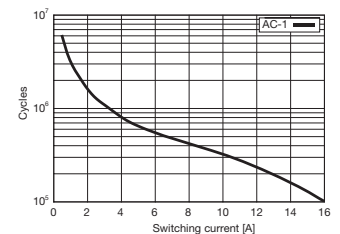


fig. 3. DC load limit curve

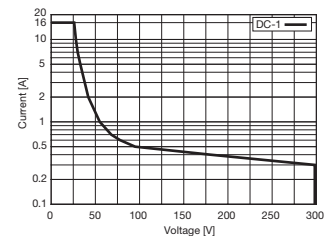
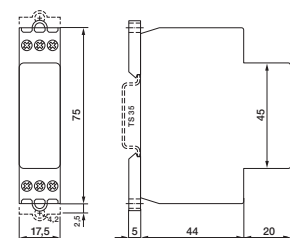


fig. 4. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 61812-1

Railway EN 45545-2; EN 50155

Approvals