

CMA-U111/DC24V

analogue | 1-channel | 1 CO



Power supply

Nominal operating voltage	Control circuit (A1 / A2 + GND) 24 V AC/DC	Signal input (YR / A2 + GND) 0 - 10 V
Tolerance	-15 %; +10 %	-15 %; +10 %
Frequency range	0; 45 - 65 Hz	0; 45 - 65 Hz

Main circuit

Contact type control / main circuit	Signal output (Y / GND)	Switch contact (B1 / B2)
Available contact materials		AgNi
Maximum contact load	500 mA* / 12 V DC / 3 W	
Maximum contact load AC-1	12 A / 250 V AC	0.1 A / 30 V AC/DC
Rated load	DC-1: see fig. 3 AC-1:	
Inrush current	30 A / >4s, 80 A	
Mechanical endurance (cycles)	tbc	

Control circuit

Power consumption AC / DC	tbc
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Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / coil	3 kV / 1 min
Overvoltage category	III
Pollution degree	2

Housing and environmental conditions

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-25 ... 60 °C
Relative humidity, no condensation	10 ... 95 %
Ingress Protection	IP 20
Weight	tbc
Housing material	PC
Operation Altitude	Max. 2 000 m / 6 562 ft over sea level (without derating)
Mounting	DIN Rail (IEC 60715)
Operation Position	any
Dimensions	See fig. 4

Wiring

Contact type control / main circuit	Screw connection
Conductor cross section control / main circuit	4 mm ² / AWG12 (Wire), 2.5 mm ² / AWG14 (Stranded), 1.00 mm ² / AWG17 (Ferrule). Use copper conductors only.
Stripping Length control / main circuit	7 mm / 0.28"
Nominal screw torque control / main circuit	0.5 Nm / 4.425 lbf in
Screwdrive control / main circuit	PZ2
Max. wire count control / main circuit	2
Dual sleeve control / main circuit	1

Product references

Description	Type	24
Analogue 1-channel	CMA-U111/DC...V	✓

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

Accessories

4-pole potential bridge bar for S10 / S12	V40-R (BAG 5 PCS), V40-G (BAG 5 PCS), V40-A (BAG 5 PCS)
2-pole potential bridge bar	V10-R (BAG 5 PCS), V10-G (BAG 5 PCS), V10-A (BAG 5 PCS)

* The minimum contact load value is recommended value under normal conditions such as regular switching, no special ambient conditions, etc. Under these conditions reliable switching behavior can be expected.

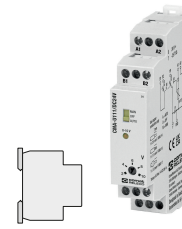


fig. 1. Wiring diagram

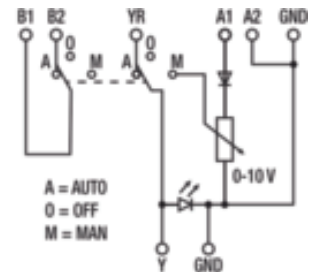
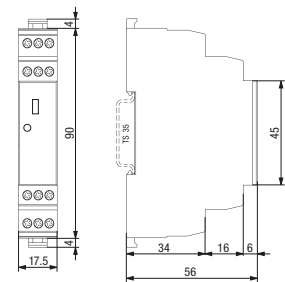


fig. 2. Dimensions (mm)



Technical approvals, conformities

Standards EN 60947-1; IEC 60947-1:2020-04

Approvals