

**Power supply**

Nominal operating voltage	<b>Control circuit (A1 / A2)</b> 24V AC/DC	<b>Control circuit (A3 / A2)</b> 24V AC/DC
Tolerance	-15 %; +10 %	-15 %; +10 %
Frequency range	0; 45 - 65 Hz	0; 45 - 65 Hz

**Main circuit**

Contact type control / main circuit	<b>Relais contact (11 / 12 / 14)</b>	<b>Switch contact (B1 / B2)</b>
Available contact materials	⚡ AgNi	⚡ 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 <sup>2</sup> / AWG12 (Wire), 2.5 mm <sup>2</sup> / AWG14 (Stranded), 1.00 mm <sup>2</sup> / 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
Digital 1-channel	CMA-D111/UC...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.

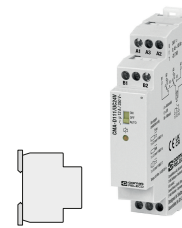


fig. 1. Wiring diagram

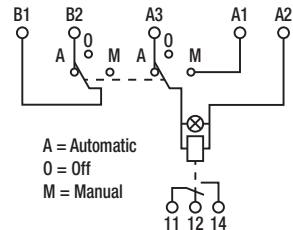


fig. 2. AC voltage endurance

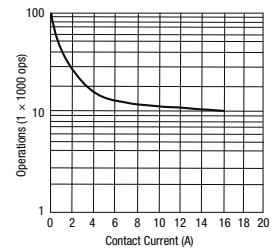


fig. 3. DC load limit curve

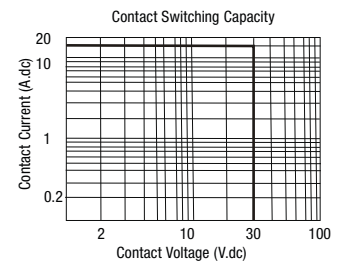
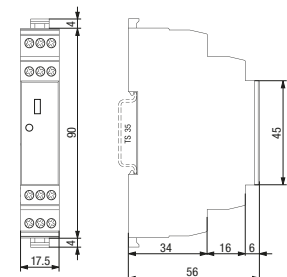


fig. 4. Dimensions (mm)



**Technical approvals, conformities**

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

