

Power supply	Control circuit (A1 / A2)	Control circuit (A3 + A4 / A2)
Nominal operating voltage	24V AC/DC	24V AC/DC
Tolerance	-15 %; +10 %	-15 %; +10 %
Frequency range	0; 45 - 65 Hz	0; 45 - 65 Hz

Main circuit	Relais contact (11 / 12 / 14 + 21 / 22 / 24)	Switch contact (B1 / B2)
Contact type control / main circuit	AgNi	AgNi
Available contact materials	500 mA* / 12 V DC / 3 W	0.1 A / 30 V AC/DC
Maximum contact load	12 A / 250 V AC	
Maximum contact load AC-1	DC-1: see fig. 3	
Rated load	AC-1:	
Inrush current	30 A / >4s, 80 A	
Mechanical endurance (cycles)	tbc	

Control circuit	
Power consumption AC / DC	tbc

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
Digital 2-channels	CMA-D211/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.

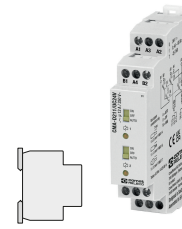


fig. 1. Wiring diagram

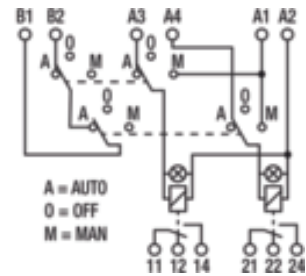


fig. 2. AC voltage endurance

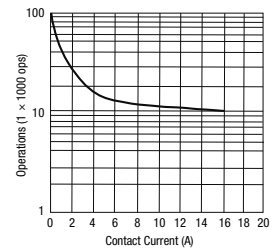


fig. 3. DC load limit curve

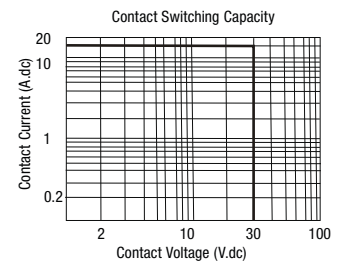
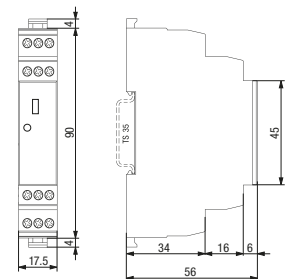


fig. 4. Dimensions (mm)



Technical approvals, conformities

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

