

**Time data**

Timing functions	A
Timing range	50 ms ... 60 min
Timing scale	0.6 s / 6 s / 60 s / 6 min / 60 min

**Main circuit**

Number of contacts	1 CO
Contact Material	AgNi
Rated voltage	250 V AC
Rated current	8 A
Minimum load	10 mA, 12 V
Inrush current	15 A, 20 ms
Rated load DC	fig. 2
Rated load AC-1	2000 VA
Mechanical endurance (cycles)	$3 \times 10^7$
Electrical endurance at rated load AC-1 (cycles)	fig. 3

**Control circuit**

	12 V UC	24 V UC	115 VAC	230 VAC
Operating voltage range	0.8 ... 1.2 U <sub>N</sub>			
Power consumption AC / DC	50 / 32 mA	21 / 12 mA	47 mA / -	60 mA / -
Typ. input current on command input AC / DC	2.7 / 4.3 mA	11.6 / 9.5 mA	1.7 mA / -	1.9 mA / -
Typ. threshold voltage on command input AC / DC	5.2 / 8.8 V	9.5 / 14 V	42 V / -	80 V / -
Rated frequency	48 ... 62 Hz			

**Insulation**

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

**General data**

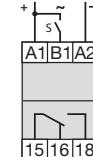
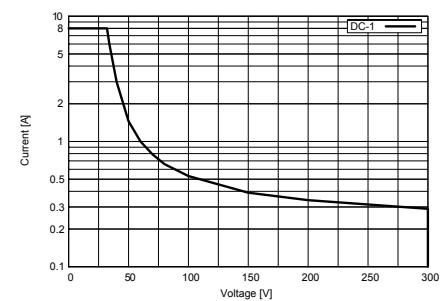
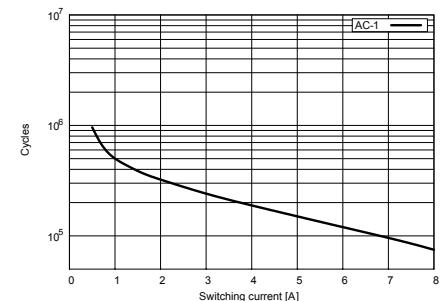
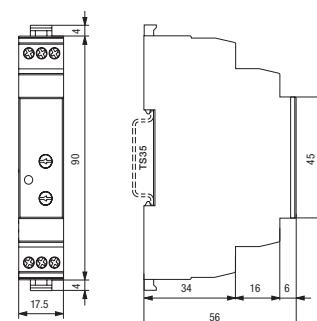
Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-40 ... 60 °C
Conductor cross section	2.5 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup>
Nominal screw torque	0.5 Nm
Module width	fig. 4
Weight	48 g
Protection degree	IP 20
Housing material	PA 66

**Product references**

Types	Product reference	12	24	115	230
UC supply	CMD11-A/UC...V	✓	✓		
AC supply	CMD11-A/AC...V			✓	✓

..." list control circuit voltage to complete product references.

Other voltages on request. Please contact support@comatreleco.com.

**fig. 1. Wiring diagram****fig. 2. DC load limit curve****fig. 3. AC voltage endurance****fig. 4. Dimensions (mm)****Standards and approvals**

Standards	IEC/EN 60947
Approvals	CE EAC cULus

## 2.1 ON and OFF delay Relays

### CMD11-E

#### On delay | single voltage | 1 CO

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Electrical endurance at rated load AC-1 (cycles)	fig. 3

##### Control circuit

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fig. 1. Wiring diagram

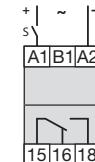


fig. 2. DC load limit curve

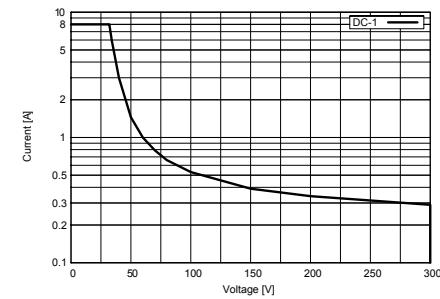


fig. 3. AC voltage endurance

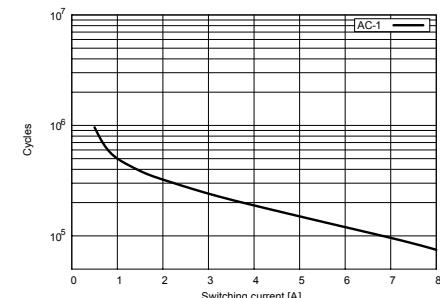
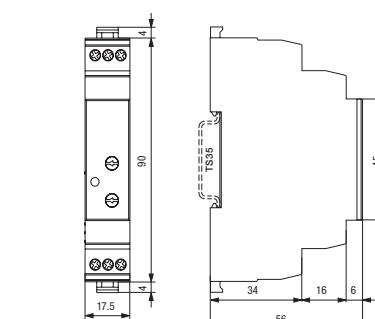


fig. 4. Dimensions (mm)



##### Standards and approvals

Standards	IEC/EN 60947
Approvals	CE   cUL us