

AL1

Staircase switch | Auto - ON | 220 ... 240 V AC | 1 NO

Time data

Timing functions	L
Timing range	30 s ... 10 min

Main circuit

Number of contacts	1 NO
Contact Material	⚡ AgNi
Rated voltage	250 V
Rated current	10 A
Minimum load	10 mA, 12 V
Inrush current	16 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	2500 VA
Mechanical endurance (cycles)	2×10^7
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	220 ... 240 V AC
Operating voltage range	187 ... 265 V
Power consumption AC / DC	2.5 VA
Typ. input current on command input AC / DC	45 mA / -
Typ. threshold voltage on command input AC / DC	$0.7 U_N$
Rated frequency	48 ... 62 Hz

Insulation

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

General data

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-40 ... 40 °C
Conductor cross section	2.5 mm^2 , $2 \times 1.5 \text{ mm}^2$
Nominal screw torque	0.4 Nm
Module width	fig. 4
Weight	71 g
Protection degree	IP 20
Housing material	PC

Product references

Types	Product reference	220-240
AC supply	AL1/AC...V	✓

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

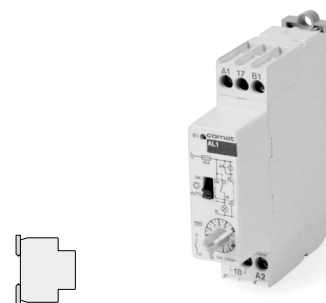


fig. 1. Wiring diagram

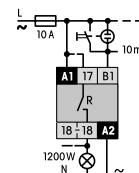


fig. 2. DC load limit curve

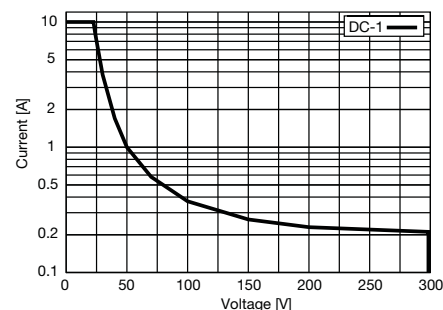


fig. 3. AC voltage endurance

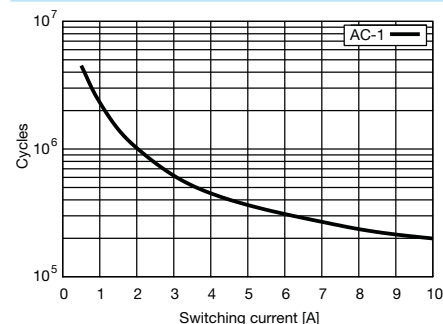
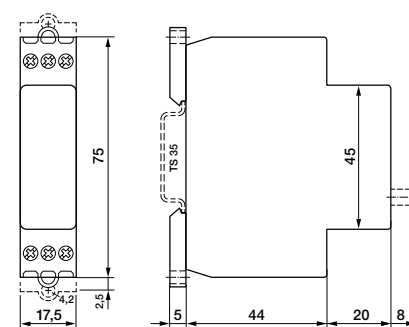


fig. 4. Dimensions (mm)



Standards and approvals

Standards IEC/EN 60947

Approvals