

# CC1H450

1 phase | 400 V | 50 A



## Main circuit

Output type	SCR
Number of outputs	1
Rated voltage	400 V AC
Output voltage range	24 ... 480 VAC
Reverse voltage	1,200 V <sub>rrm</sub>
Peak reverse voltage	1,300 V <sub>rrm</sub>
Rated current AC-1	50 A
Rated current AC-3	15 A
Recommended minimum contact load	10 mA
Leakage current	1 mA
Rated limit load	1,800 A <sup>2</sup> s

## Control circuit

Nominal voltage	24 ... 230 V AC/DC
Operating voltage range	0.85 ... 1.1 U <sub>N</sub>
Pick-up voltage	20.4 V
Release voltage	7.2 V
Pick-up time	20 ms
Release time	20 ms
Power consumption AC / DC	1.5 VA / 150 mW
Frequency range	50 / 60 Hz

## Insulation

Rated insulation voltage	660 V
Rated impulse withstand voltage open contact	4 kV / 1 min
Pollution degree	3
Overvoltage category	III

## General data

Storage temperature (no ice)	-20 ... 80 °C
Operation temperature	-5 ... 40 °C
Ambient temperature operation derated power	-5 ... 60 °C, 0.7 I <sub>N</sub>
Conductor cross section control / main circuit	1.5 mm <sup>2</sup> / 10 mm <sup>2</sup>
Nominal screw torque control / main circuit	0.5 Nm / 1.2 Nm
Dimensions	fig. 2
Weight	1 050 g
Ingress Protection	IP 20
Housing material	PPE
Mounting	TH35 (EN 60715) or back panel mounting

## Product references

Description	Type
Solid State Contactor, 1 phase	CC1H450
Other devices on request. Please contact <a href="mailto:support@comatreleco.com">support@comatreleco.com</a> .	

## Accessories

Thermal overload protection	P82-100C
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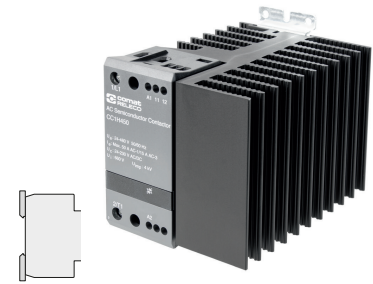
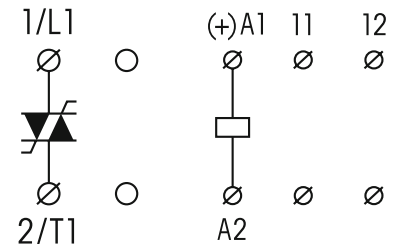
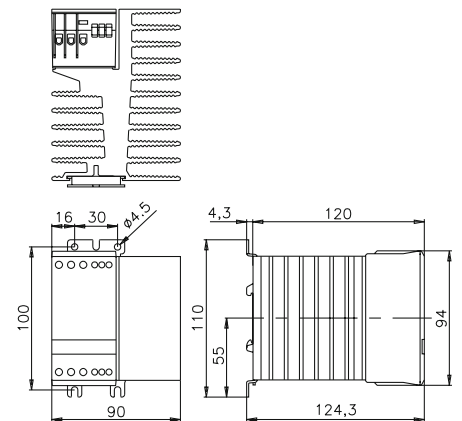


fig. 1. Wiring diagram



11-12: Thermostat

fig. 2. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 50022; IEC/EN 60068;  
IEC/EN 60947

Approvals