

CHI14/UC24-240V

1 pole | High inrush relay with tungsten pre-contact



Main circuit

Available contact materials	W + AgSnO ₂	
Recommended minimum contact load	100 mA / 12 V	
Maximum contact load AC-1	16 A / 250 V	
Rated current	16 A	
Inrush current	165 A, 20 ms	800 A, 200 μs
Operating voltage AC / DC	80 ... 250 V	
Rated load AC	4 000 VA	
Rated load DC	fig. 2.	
Mechanical endurance (cycles)	≥ 5 000 000	
Electrical endurance at rated load AC-1 (cycles)	≥ 5000	
Number of contacts	1 NO	

Control circuit

Nominal voltage	24 ... 240 V AC / DC
Operating voltage range	0.7 U _N ... 1.05 U _N
Max. Pick-up time	500 ms
Pick-up voltage	≤ 0.7 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC	1.2 VA
Power consumption DC	0.43 W
Frequency range	16 ... 63 Hz

Insulation

Contact / coil	2.5 kV / 1 min
Overvoltage category	II
Rated impulse withstand voltage open contact	1 kV / 1 min
Pollution degree	2

General data

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-40 ... 60 °C
Conductor cross section	solid wire 1 x 4 mm ² , 2 x 1.5 mm ² , stranded & crimped wire 1 x 2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.5 Nm
Ingress Protection	IP 20
Mounting	DIN rail
Weight	70 g
Housing material	PA / PC

Product references

Description	Type	24-240
1 NO	CHI14/UC...V	✓

Other voltages on request. Please contact support@comatreleco.com.
«...» List control circuit voltage to complete product references.

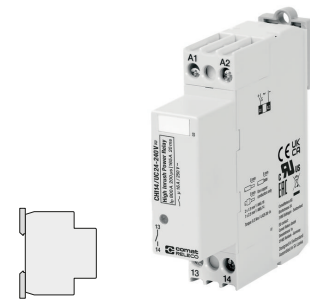


fig. 1. Wiring diagram

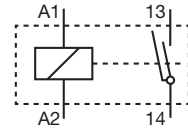


fig. 2. DC load limit curve

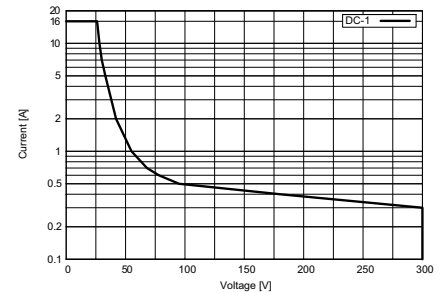
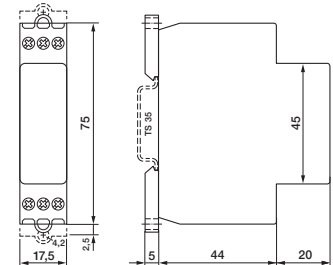


fig. 3. Dimensions (mm)



Technical approvals, conformities

Standards EN 60730-1; EN 61000-6-2; EN 61000-6-3

Approvals