CHI34/UC24-240V

3 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	16 A / 250 V	
Rated load DC	fig. 2.	
Mechanical endurance (cycles)	≥ 5 000 000	
Electrical endurance at rated load AC-1 (cycles)	≥ 5 000	
Number of contacts	3 NO	

Auxiliary contact

Output type	MOSFET
Rated current	90 mA at 25 °C / 60 mA at 60°C
Inrush current	1A, 100 µs
Recommended minimum contact load	1 mA / 5 V
Operating voltage AC / DC	24 V AC/DC
Voltage drop max.	≤ 1.5 V
Switching point	Synchronized with last switching main contact
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 supply (1-N) AC / DC	3.45 VA / 3.45 W
Power consumption control (A1-A2) AC / DC	≤ 30 mVA / ≤ 30 mW
Frequency range	47 … 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	-25 … 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	TH35 (EN 60715)
Weight	125 g
Housing material	PA / PC

Product references

Description	Type	24-240
3 NO + 1 NO	CHI34/UC...V	✓

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

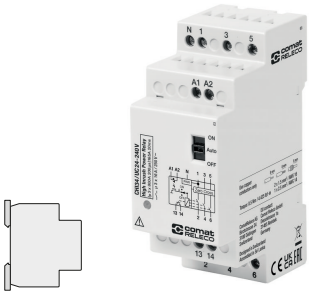


fig. 1. Wiring diagram

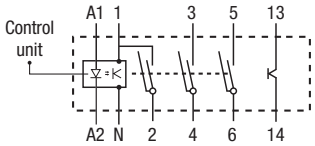


fig. 2. DC load limit curve

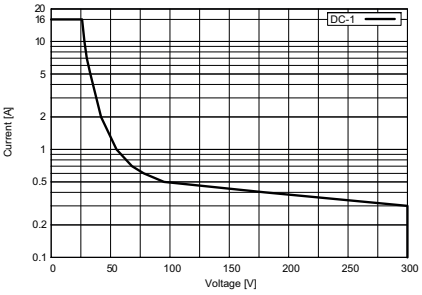
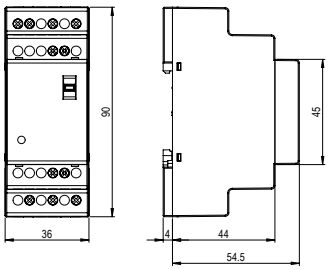


fig. 3. Dimensions (mm)



Technical approvals, conformities

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

Approvals