

CHI34**3 pole | High Inrush Relay**

Maximum contact load	16 A / 250 V AC-1
Recommended minimum contact load	100 mA / 12 V

Contacts

Number of contacts	3
Material	W / AgSnO ₂
Max. inrush current (20 ms)	165 A
(200 µs)	800 A
Max. switching voltage AC-1	250 V
Max. AC load AC-1 fig. 1	4 kVA

Auxiliary Contacts

Number of contacts	1
Nominal current at 25°C/60°C	90 mA/60 mA
Inrush current	1 A/100 µs
Nominal voltage AC/DC	24 V
Contact Material	Semiconductor

Supply U_B (1–N)

Nominal operating voltage (AC/DC)	110...240 V
Operating voltage (AC/DC)	80...250 V
Frequency range	47...63 Hz
Power consumption	3.45 VA

Power supply- and control input

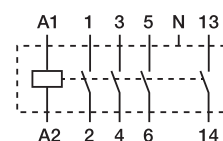
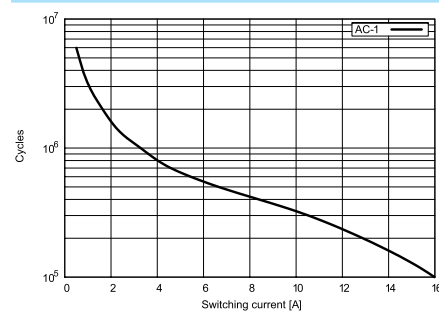
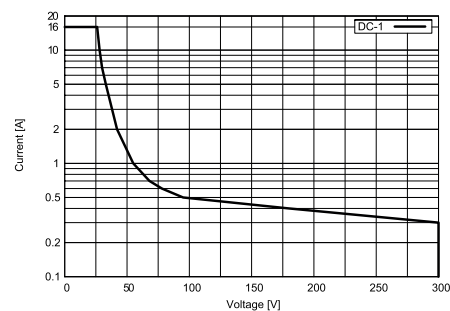
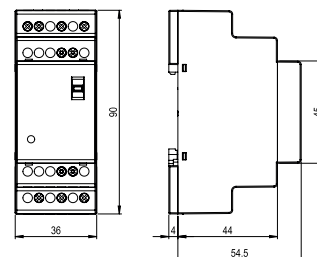
Nominal voltage (A1, A2)	UC 24-240 V (UC = AC / DC)
Operating voltage range	16.8 ... 250 V
Power consumption	30 VA / 30 mW
Frequency range	47...63 Hz

Insulation

Test voltage open contact	1 kV rms / 1 min
Test voltage between contacts and control input	2.5 kV rms / 1 min
Test voltage between contacts	2.5 kV rms / 1 min

General Specifications

Ambient temperature storage /operation	-40 ... 85 °C / -25 ...60 °C (no ice)
Mechanical life of contact	5 x 1 000 000 operations
Conductor cross section	Stranded wire 2.5 mm ² , 2 x 1.5 mm ²
Protection degree	IP 20
Nominal screw torque	0.6 Nm
Housing material	Lexan
Weight	125 g

Product References**UC (AC/DC) 47...63 Hz****CHI34/UC24-240V****Connection diagram****fig. 1 AC voltage endurance****fig. 2 DC load limit curve****Dimensions (mm)****Technical approvals, conformities**

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