

CHI14**1-Pole High Inrush Relay**

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

Contacts

Material	⚡ W / AgSnO ₂
Rated operational current at 40 °C / 60 °C	16 A / 13 A
Max. inrush current	165 A / 20 ms
	800 A / 200 μs
Max. switching voltage AC-1	250 V
Max. AC load AC-1 (Fig.1)	4 kVA

Power supply- and control input

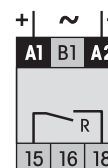
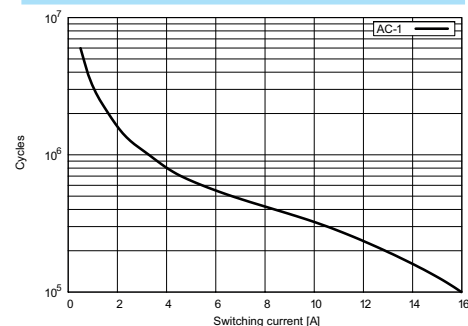
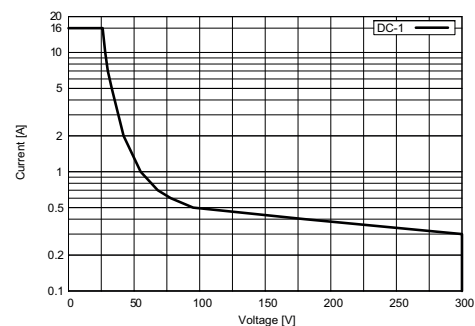
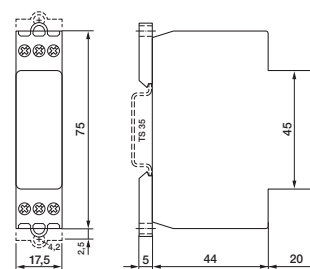
Nominal voltage (A1, B1)	UC 24-240 V (UC = AC / DC)
Operating voltage range	16.8 ... 250 V
Power consumption	1.2 VA / 0.43 W
Frequency range	16 ... 60 Hz

Insulation

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

General Specifications

Ambient temperature storage /operation	-40 ... 85 °C / -40 ... 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	0.4 Nm
Housing material	Lexan
Weight	70 g

Product References**UC (AC/DC) 15...60 Hz****CHI14/UC24-240V****Connection diagram****Fig.1 AC voltage endurance****Fig. 2 DC load limit curve****Dimensions****Technical approvals, conformities**

EN 50155, EN 60730