



Main

Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contact operation	Instantaneous Standard
[Uc] control circuit voltage	120 V DC
[Ithe] conventional enclosed thermal current	5 A 40 °C
Status LED	Without
Control type	Manual control

Complementary

[Ui] rated insulation voltage	250 V
Test levels	Level A group mounting
Operating position	Any position
Minimum switching capacity	150 mVA at 10 mA 150 mVA, 1 V
Contact bounce time	<= 10 ms
Maximum voltage drop	<100 mV for 3 A at 24 V
Average resistance	30 mOhm at 20 °C
Average coil consumption	1.6 W at 20 °C
Control circuit voltage limits	0.8...1.1 Uc conforming to IEC 60255
Drop-out voltage threshold	0.1...0.3 Uc
Time constant	12 ms for open contact(s) 15 ms for closed contact(s)
Mechanical durability	20000000 cycles
Maximum operating rate	6 cyc/mn
Operating time	1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact at 20 °C 2...7 ms between de-energisation of coil and closing of NC contact at 20 °C
CAD overall width	33 mm
CAD overall height	43 mm

CAD overall depth	54 mm
Terminals description ISO n°1	(31-32-34)OC (21-22-24)OC (11-12-14)OC (41-42-44)OC (A1-A2)CO
Product weight	0.09 kg

Environment

Standards	VDE 0435 NF C 45-250 BS 4794 IEC 60255
Product certifications	UR BV CSA EDF ASE USSR
Protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	-5...40 °C conforming to IEC 60255
Ambient air temperature for storage	-40...70 °C
Vibration resistance	6 gn (f= 10...55 Hz)
Shock resistance	50 gn for 11 ms conforming to NF C 20-616

Contractual warranty

Warranty	18 months
----------	-----------