Product datasheet
Characteristics

RHN412G
plug-in relay - Zelio RHN - instantaneous - 4 C/O - 125 V DC - 5 A

Green Premium™

Price* : 48.09 GBP

Main

Range of product	Zelio Relay
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	125 V DC
[Ithe] conventional enclosed thermal current	5 A 40 °C
Status LED	Without
Control type	Manual control
Coil interference suppression	Without

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 V 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

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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	(11-12-14)OC (41-42-44)OC (21-22-24)OC (31-32-34)OC (A1-A2)CO
Net weight	0.09 kg
Compatibility code	RHN

Environment

Standards	IEC 60255 VDE 0435 BS 4794 NF C 45-250
Product certifications	ASE CSA BV EDF UR 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) conforming to IEC 60068-2-6 6 gn (f= 10…55 Hz) conforming to NF C 20-616
Shock resistance	50 gn for 11 ms conforming to NF C 20-608

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months