

Product datasheet

Characteristics

RHK421B

plug-in relay - Zelio RHK - latching - 4 C/O - 24 V
AC 50 Hz - 1 A



Main

Range of product	Zelio Relay
Product or component type	Plug-in relay
Device short name	RHK
Contacts type and composition	4 C/O
Contact operation	Latching Low level
[Uc] control circuit voltage	24 V AC 50 Hz
[Ithe] conventional enclosed thermal current	1 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	50 mVA at 1 mA 50 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 in VA	6 (inrush) on coil 1 1.3 (holding) on coil 2 2.5 (inrush) on coil 2 3.5 (holding) on coil 1
Control circuit voltage limits	0.8...1.1 Uc conforming to IEC 60255
Drop-out voltage threshold	0.15...0.5 Uc
Cos phi	0.6 (inrush)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	0.7 (holding)
Mechanical durability	10000000 cycles
Maximum operating rate	2 cyc/mn
Operating time	5...17 ms between energisation of coil and closing of NO contact at 20 °C 8...16 ms between energisation of trip coil and closing of NC contact at 20 °C 1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation
Minimum pulse duration	50 ms
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	90 mm
Terminals description ISO n°1	(21-22-24)OC (31-32-34)OC (B1-B2)CO (11-12-14)OC (41-42-44)OC (A1-A2)CO
Product weight	0.09 kg
Compatibility code	RHK

Environment

Standards	IEC 255 NF C 45-250 VDE 0435 BS 4794
Product certifications	ASE EDF BV UR USSR CSA
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	30 gn for 11 ms conforming to NF C 20-608

Offer Sustainability

Sustainable offer status	Green Premium product
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
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