

Product datasheet

Specifications



on-delay timing relay with
suppressor - 0.2..300 s - 4 C/O low
level - 220 V AC

RHT421M

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

Main

Range of product	Zelio Relay
Product or component type	Plug-in relay Timing relay
Device short name	RHT
Contacts type and composition	4 C/O
Contact operation	Low level
[Uc] control circuit voltage	220 V AC 50/60 Hz
Time delay type	On-delay
Time delay range	0.2...3 s 15...300 s 1.5...30 s
[Ithe] conventional enclosed thermal current	1 A 40 °C
status LED	With
Control type	Selector switch
Coil interference suppression	With

Complementary

[Ui] rated insulation voltage	250 V
Operating position	Any position
Minimum switching capacity	50 mVA at 1 mA, 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
Switching time	1...3 ms AC for energisation/de-energisation 0.5...6 ms AC for de-energisation/energisation
Average coil consumption in VA	3.5 at 20 °C
Control circuit voltage limits	0.8...1.1 Uc conforming to IEC 60255
Mechanical durability	20000000 cycles
Repeat accuracy	+/- 1 %
Setting accuracy of time delay	+/- 15 % of full scale
Reset time	100 ms
CAD overall width	33 mm

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

CAD overall height	43 mm
CAD overall depth	108 mm
Terminals description ISO n°1	(A1-A2)CO (41-42-44)OC (21-22-24)OC (31-32-34)OC (11-12-14)OC
Product weight	0.13 kg

Environment

Standards	VDE 0435 IEC 60255 NF C 45-250
Product certifications	USSR ASE EDF CSA BV
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
Immunity to microbreaks	10 ms during time delay 2 ms after time delay

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No