

# Product data sheet

Specifications



on-delay timing relay with  
suppressor - 0.2..300 s - 4 C/O  
standard - 12 V AC/DC

RHT418J

⚠ Discontinued on: Jan 29, 2021

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## 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	Standard
[Uc] Control Circuit Voltage	12 V AC/DC 50/60 Hz
Time Delay Type	On-delay
Time Delay Range	15...300 s 0.2...3 s 1.5...30 s
[Ithe] Conventional Enclosed Thermal Current	5 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	150 mVA at 10 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 1...4 ms DC for energisation/de-energisation 1.2...4 ms DC for de-energisation/energisation
Average Coil Consumption	2.5 W at 20 °C
Average Coil Consumption In Va	2.9 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

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

Reset Time	100 ms
Cad Overall Width	33 mm
Cad Overall Height	43 mm
Cad Overall Depth	108 mm
Terminals Description Iso N°1	(41-42-44)OC (A1-A2)CO (21-22-24)OC (11-12-14)OC (31-32-34)OC
Net Weight	0.13 kg

## Environment

Standards	IEC 60255 VDE 0435 NF C 45-250
Product Certifications	ASE BV USSR CSA EDF
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	18 months
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