

Product data sheet

Specifications



on-delay timing relay with
suppressor - 1.25s..40min - 4C/O
standard- 110V AC/DC

RHT4138F

⚠ Discontinued on: May 5, 2016

⚠ End-of-service on: Jan 22, 2021

⚠ Discontinued

Main

Range of product	Zelio Relay
Product or component type	Timing relay Plug-in relay
Device short name	RHT
Contacts type and composition	4 C/O
Contact operation	Standard
[Uc] control circuit voltage	110 V AC/DC 50/60 Hz
Time delay type	On-delay
Time delay range	2...40 min 12.5...240 s 1.25...24 s
[Ithe] conventional enclosed thermal current	5 A 104 °F (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 10 mA, 1 V
Contact bounce time	<= 10 ms
Maximum voltage drop	<100 V for 3 A at 24 V
Average resistance	30 mOhm 68 °F (20 °C)
Switching time	1...3 ms AC energisation/de-energisation 0.5...6 ms AC de-energisation/energisation 1...4 ms DC energisation/de-energisation 1.2...4 ms DC de-energisation/energisation
Average coil consumption	2.5 W 68 °F (20 °C)
Average coil consumption in VA	2.9 68 °F (20 °C)
Control circuit voltage limits	0.8...1.1 Uc IEC 60255
Mechanical durability	20000000 cycles
Repeat accuracy	+/- 1 %
Setting accuracy of time delay	+/- 20 % of full scale

Reset time	100 ms
CAD overall width	1.3 in (33 mm)
CAD overall height	1.7 in (43 mm)
CAD overall depth	4.3 in (108 mm)
Terminals description ISO n°1	(A1-A2)CO (31-32-34)OC (11-12-14)OC (21-22-24)OC (41-42-44)OC
Net weight	0.29 lb(US) (0.13 kg)

Environment

Standards	IEC 60255 NF C 45-250 VDE 0435
Product certifications	EDF BV CSA USSR ASE
Protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	23...104 °F (-5...40 °C) IEC 60255
Ambient air temperature for storage	-40...158 °F (-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 11 ms 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