

# Product data sheet

## Characteristics

# RHR418J

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



### Main

Range of product	Zelio Relay
Product or component type	Plug-in relay Timing relay
Device short name	RHR
Contacts type and composition	4 C/O
Contacts operation	Standard
Control circuit voltage	12 V AC/DC, 50/60 Hz
Time delay type	Off-delay
Time delay range	0.2...3 s 1.5...30 s 15...300 s
[Ithe] conventional enclosed thermal current	5 A at <= 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
Voltage drop	<= 100 V for 3 A at 24 V
Average resistance	30 mOhm at 20 °C
Switching time	1.2...4 ms DC for de-energisation/energisation 0.5...6 ms AC for de-energisation/energisation 1...4 ms DC for energisation/de-energisation 1...3 ms AC for energisation/de-energisation
Average consumption in W	2.5 W at 20 °C
Average 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
Reset time	<= 100 ms
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	108 mm
Terminals description ISO n°1	(11-12-14)OC (21-22-24)OC (31-32-34)OC (41-42-44)OC (B1-A2-B2)CO
Product weight	0.13 kg

## Environment

Standards	IEC 60255 NF C 45-250 VDE 0435
Product certifications	ASE BV CSA EDF 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 NF C 20-616 6 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to NF C 20-608
Immunity to microbreaks	<= 2 ms after time delay <= 10 ms during time delay