

# RHN416GP

plug-in relay - Zelio RHN - instantaneous - 4 C/  
O - 220 V AC 60 Hz - 5 A



## Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contacts operation	Instantaneous Standard
Control circuit voltage	220 V AC, 60 Hz
[I]the] conventional enclosed thermal current	5 A at $\leq 104^{\circ}\text{F}$ ( $40^{\circ}\text{C}$ )
Status LED	Without
Control type	Manual control
Coil interference suppression	Without

## Complementary

[Ui] rated insulation voltage	250 V
Operating position	Any position
Minimum switching capacity	150 mVA/1 V 150 mVA at 10 mA
Contact bounce time	$\leq 10$ ms
Voltage drop	$\leq 100$ V for 3 A at 24 V
Average resistance	30 mOhm at $68^{\circ}\text{F}$ ( $20^{\circ}\text{C}$ )
Switching time	0.5...6 ms de-energisation/energisation 1...3 ms energisation/de-energisation
Average consumption in VA	4.5 (inrush) at $68^{\circ}\text{F}$ ( $20^{\circ}\text{C}$ ) 2.5 (holding) at $68^{\circ}\text{F}$ ( $20^{\circ}\text{C}$ )
Control circuit voltage limits	0.8...1.1 $U_c$ conforming to IEC 60255
Drop-out voltage threshold	0.15...0.5 $U_c$
Cos phi	0.7 (holding) 0.6 (inrush)
Mechanical durability	20000000 cycles
Operating rate	$\leq 6$ cyc/mn
Operating time	1.2...12 ms between de-energisation of coil and closing of NC contact at $68^{\circ}\text{F}$ ( $20^{\circ}\text{C}$ ) 2...15 ms between energisation of coil and closing of NO contact at $68^{\circ}\text{F}$ ( $20^{\circ}\text{C}$ )
CAD overall width	1.3 in (33 mm)
CAD overall height	1.69 in (43 mm)
CAD overall depth	2.13 in (54 mm)
Terminals description ISO n°1	(11-12-14)OC (21-22-24)OC (31-32-34)OC (41-42-44)OC (A1-A2)CO
Product weight	0.2 lb(US) (0.09 kg)

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## Environment

Standards	BS 4794 IEC 60255 NF C 45-250 VDE 0435
Product certifications	ASE BV CSA EDF UR USSR
Protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	23...104 °F (-5...40 °C) conforming to IEC 60255
Ambient air temperature for storage	-40...158 °F (-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 11 ms conforming to NF C 20-608

## Ordering and shipping details

Category	18073 - SPARE PARTS DISCOUNT I
Discount Schedule	CP2
GTIN	00785901591498
Nbr. of units in pkg.	1
Returnability	N
Country of origin	FR