Product data sheet
Characteristics

RPF2AP7
power relay plug-in - Zelio RPF - 2 NO - 230 V AC - 30 A

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price** : 12.69 USD

Main

Range of product	Zelio Relay
Series name	Power
Product or component type	Plug-in relay
Device short name	RPF
Contacts type and composition	2 NO
[Uc] control circuit voltage	230 V AC
Control type	Without lockable test button
Shape of pin	Flat
Contacts material	Silver tin oxide
[Ithe] conventional enclosed thermal current	25 A -40…131 °F (-40…55 °C) relays side by side without a gap 30 A -40…131 °F (-40…55 °C) 13 mm gap between two relays
Resistive rated load	25 A 28 V DC 30 A 250 V AC
Utilisation coefficient	10 %

Complementary

Mounting support	Panel DIN rail
Control circuit voltage limits	184...253 V
[Ie] rated operational current	30 A 277 V AC) NO UL 20 A 28 V DC) NO UL 30 A 250 V AC) NO IEC 25 A 28 V DC) NO IEC
[Ui] rated insulation voltage	250 V IEC 300 V UL
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs
Maximum switching voltage	250 V IEC
Maximum switching capacity	7500 VA/700 W

Minimum recommended switching capacity	6000 mW 500 mA / 12 V NO
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	5000000 cycles
Electrical durability	100000 cycles resistive
Average coil consumption	4 VA 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
Operate time	25 ms
Release time	25 ms
Average resistance	15600 Ohm 68 °F (20 °C) +/- 15 %
Safety reliability data	B10d = 100000
Protection category	RT II
Test levels	Level A
Operating position	Any position
CAD overall width	1.33 in (33.7 mm)
CAD overall height	2.70 in (68.5 mm)
CAD overall depth	1.54 in (39.2 mm)
Product weight	0.18 lb(US) (0.082 kg)
Device presentation	Complete product

Environment

Dielectric strength	2000 V AC between poles basic 4000 V AC between coil and contact reinforced 1500 V AC between contacts micro disconnection
Standards	CSA C22.2 No 14 EN/IEC 61810-1 UL 508
Product certifications	CSA CE GOST UL
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Ambient air temperature for operation	-40…131 °F (-40…55 °C)
Vibration resistance	3 gn +/- 1 mm 10…150 Hz)5 cycles in operation 10 gn +/- 1 mm 10…150 Hz)5 cycles not operating
IP degree of protection	IP40 EN/IEC 60529
Shock resistance	10 gnin operation 30 gnnot operating
Pollution degree	3

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901526018
Package weight(Lbs)	0.08 kg (0.18 lb(US))
Returnability	Yes
Country of origin	CN

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds and Di-isodecyl phthalate (DIDP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

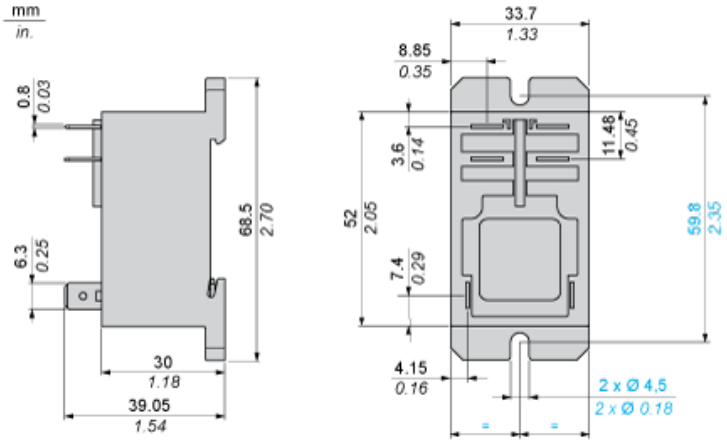
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Contractual warranty

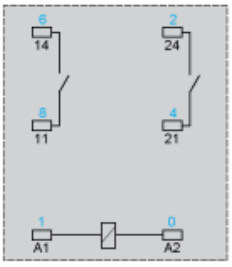
Warranty	18 months

RPF2AP7

Dimensions



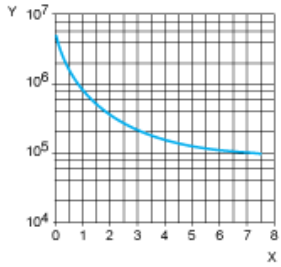
Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

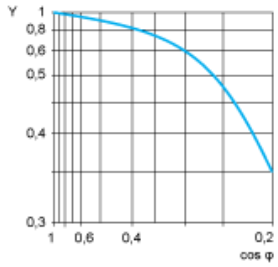
AC Resistive load



X Switching capacity (kVA)
Y Durability (number of operating cycles)

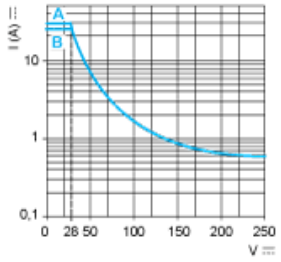
AC Reduction coefficient for inductive load (depending on power factor cos ϕ)

Durability (inductive load) = durability (resistive load) x reduction coefficient.



Y reduction coefficient

Maximum switching capacity on DC resistive load



A 30 A
B 25 A

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.