

# Product data sheet

## Characteristics

# RPF2AB7

power relay plug-in - Zelio RPF - 2 NO - 24 V AC - 30 A

Product availability: Stock - Normally stocked in distribution facility  
Price\*: 10.40 USD



### Main

Commercial Status	Commercialised
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
Control circuit voltage	24 V AC
Shape of pin	Flat
Contacts material	Silver tin oxide
[lthe] conventional enclosed thermal current	30 A at -40...131 °F (-40...55 °C) for 13 mm gap between two relays 25 A at -40...131 °F (-40...55 °C) for relays side by side without a gap
Load current	30 A at 28 V DC for 13 mm gap between two relays 30 A at 250 V AC for 13 mm gap between two relays 25 A at 28 V DC for relays side by side without a gap 25 A at 250 V AC for relays side by side without a gap
Utilisation coefficient	10 %

### Complementary

Mounting support	DIN rail Panel
Rated operational voltage limits	19.2...26.4 V AC
[le] rated operational current	20 A at 28 V DC (for NO) conforming to UL 30 A at 277 V AC (for NO) conforming to UL 30 A at 28 V DC (for NO) conforming to IEC 30 A at 250 V AC (for NO) conforming to IEC
[Ui] rated insulation voltage	300 V conforming to UL 250 V conforming to IEC
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 µs
Maximum switching voltage	250 V DC conforming to IEC 250 V AC conforming to IEC
Maximum switching capacity	7500 VA/840 W 13 mm gap between two relays 6250 VA/700 W relays side by side without a gap
Minimum switching capacity	6000 mW (500 mA/12 V) for NO
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	5000000 cycles
Electrical durability	100000 cycles for resistive load
Average consumption	4 VA at 60 Hz
Drop-out voltage threshold	>= 0.15 U <sub>c</sub>
Operating time	25 ms
Reset time	25 ms
Average resistance	170 Ohm (tolerance: +/- 15 %) at 68 °F (20 °C)
Protection category	RT II
Operating position	Any position
Product weight	0.18 lb(US) (0.082 kg)

## Environment

Dielectric strength	1500 V AC between contacts, insulation: micro disconnection 2000 V AC between poles, insulation: basic 4000 V AC between coil and contact, insulation: reinforced
Standards	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA 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	10 gn (+/- 1 mm, f = 10...150 Hz) 5 cycles not operating 3 gn (+/- 1 mm, f = 10...150 Hz) 5 cycles in operation
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	30 gn not operating 10 gn in operation
Pollution degree	3

## Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901428480
Nbr. of units in pkg.	10
Package weight(Lbs)	0.19
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

## Contractual warranty

Period	18 months
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