Specifications





power relay, Harmony electromechanical relays, DIN rail or panel mount relay, 30A, 2NO, 12V DC

RPF2AJD

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 12.69 USD

Main

Range Of Product	Harmony Electromechanical Relays	
Series Name	Power	
Product Or Component Type	DIN rail/panel mount relay	
Device Short Name	RPF	
Contacts Type And Composition	2 NO	
[Uc] Control Circuit Voltage	12 V DC	
Control Type	Without lockable test button	
Shape Of Pin	Flat	
Contacts Material	Silver tin oxide	
[Ithe] Conventional Enclosed Thermal Current	25 A -40131 °F (-4055 °C) relays side by side without a gap 30 A -40131 °F (-4055 °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	DIN rail Panel
Control Circuit Voltage Limits	9.613.2 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

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Electrical Durability	100000 cycles resistive	
Average Coil Consumption	1.7 W	
Drop-Out Voltage Threshold	>= 0.1 Uc	
Operate Time	25 ms	
Release Time	25 ms	
Average Resistance	86 Ohm at 68 °F (20 °C) +/- 10 %	
Safety Reliability Data	B10d = 100000	
Protection Category	RT II	
Test Levels	Level A group mounting	
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)	
Net Weight	0.18 lb(US) (0.082 kg)	
Device Presentation	Complete product	

Environment

Dielectric Strength	2000 V AC between poles with basic 4000 V AC between coil and contact with reinforced 1500 V AC between contacts with micro disconnection
Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	GOST CSA CE UL
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Ambient Air Temperature For Operation	-40131 °F (-4055 °C)
Vibration Resistance	3 gn +/- 1 mm 10150 Hz)5 cycles in operation 10 gn +/- 1 mm 10150 Hz)5 cycles not operating
Ip Degree Of Protection	IP40 conforming to IEC 60529
Shock Resistance	10 gnin operation 30 gnnot operating
Pollution Degree	3

Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
Gtin	3389119401562	
Returnability	No	
Country Of Origin	CN	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	1.38 in (3.500 cm)	
Package 1 Width	1.65 in (4.200 cm)	
Package 1 Length	2.72 in (6.900 cm)	
Package 1 Weight	2.82 oz (80.000 g)	
Unit Type Of Package 2	BB1	
Number Of Units In Package 2	10	
Package 2 Height	5.51 in (14.000 cm)	
Package 2 Width	1.57 in (4.000 cm)	
Package 2 Length	7.87 in (20.000 cm)	
Package 2 Weight	30.76 oz (872.000 g)	
Unit Type Of Package 3	S02	
Number Of Units In Package 3	60	
Package 3 Height	5.91 in (15.000 cm)	
Package 3 Width	11.81 in (30.000 cm)	
Package 3 Length	15.75 in (40.000 cm)	
Package 3 Weight	12.59 lb(US) (5.711 kg)	

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

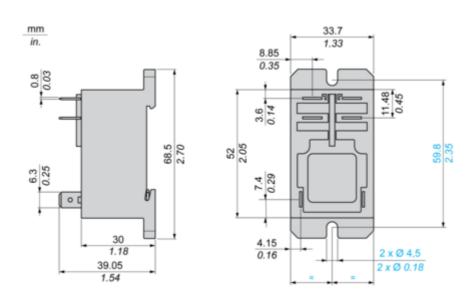
Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

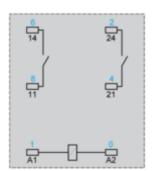
Dimensions Drawings

Dimensions



Connections and Schema

Wiring Diagram

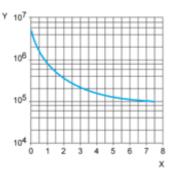


Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

AC Resistive load

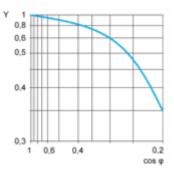


X Switching capacity (kVA)

Y Durability (number of operating cycles)

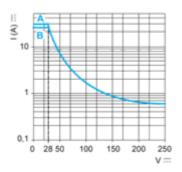
AC Reduction coefficient for inductive load (depending on power factor $\cos\varphi)$

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.

Jun 11, 2024

Life Is On Schneider