



## 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	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 at -40...55 °C relays side by side without a gap 30 A at -40...55 °C 13 mm gap between two relays
Load current	25 A at 28 V DC 30 A at 250 V AC
Utilisation coefficient	10 %

## Complementary

Mounting support	DIN rail Panel
Control circuit voltage limits	9.6...13.2 V
[Ie] rated operational current	30 A at 277 V (AC) NO conforming to UL 20 A at 28 V (DC) NO conforming to UL 30 A at 250 V (AC) NO conforming to IEC 25 A at 28 V (DC) NO conforming to IEC
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL
[Uimp] rated impulse withstand voltage	4 KV during 1.2/50 µs
Maximum switching voltage	250 V conforming to IEC
Maximum switching capacity	7500 VA/700 W
Minimum switching capacity	6000 mW 500 mA / 12 V for NO
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	5000000 Cycles
Electrical durability	100000 Cycles for resistive load
Average consumption	1.7 W
Drop-out voltage threshold	>= 0.1 Uc
Operating time	25 ms
Reset time	25 Ms
Average resistance	86 Ohm at 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	33.7 Mm
CAD overall height	68.5 Mm
CAD overall depth	39.2 Mm
Net weight	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 EN/IEC 61810-1
Product certifications	GOST CSA CE UL
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation 10 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn for in operation 30 gn for not operating
Pollution degree	3

## Packing Units

Package 1 Weight	0.087 Kg
Package 1 Height	0.420 Dm
Package 1 width	0.350 Dm
Package 1 Length	0.690 Dm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**