# RPM31F7

## power relay plug-in - Zelio RPM - 3 CO - 120V AC



# Main

Range of product	Zelio Relay
Series name	Power
Status LED	Without
Control type	Pushbutton
Control circuit voltage	120 V AC
Contacts type and composition	3 C/O
Coil interference sup- pression	Without
[Ithe] conventional enclosed thermal current	15 A ≤ 55 °C
Load current	15 A 250 V AC 15 A 28 V DC
Utilisation coefficient	20 %

Complementary	
Contacts operation	Standard
[Ui] rated insulation voltage	250 V IEC 250 V EN/IEC 60947 300 V EN/IEC 60947 300 V UL 300 V CSA
[Uimp] rated impulse withstand voltage	4 kV IEC 61000-4-5
Contacts material	Silver alloy (Ag/Ni)
[le] rated operational current	7,5 A NC AC-1 IEC 7,5 A NC DC-1 IEC 15 A NO AC-1 IEC 15 A NO DC-1 IEC 15 A AC-1 UL 15 A DC-1 UL
Minimum switching current	10 mA
Maximum switching voltage	250 V AC IEC 250 V DC IEC
Minimum switching voltage	17 V
Maximum switching capacity	420 W DC 3750 VA AC
Minimum switching capacity	170 mW
Operating rate	≤ 20 cyc/mn under load ≤ 300 cyc/mn no-load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles resistive
Average consumption in W	1,7 W DC
Average consumption in VA	1,5 AC
Drop-out voltage threshold	>= 0.15 Uc AC >= 0.1 Uc DC
Operating time	20 ms between coil energisation and making of the On-delay contact AC 20 ms between coil energisation and making of the On-delay contact DC 20 ms between coil de-energisation and making of the Off-delay contact AC 20 ms between coil de-energisation and making of the Off-delay contact DC
Average resistance	2770 Ohm AC 20 °C +/- 15 %
Rated operational voltage limits	96132 V AC
Protection category	RT I
Operating position	Any position
Product weight	0,054 kg

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### Environment

Dielectric strength	1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles	
Standards	CSA C22-2 No 14 EN/IEC 61810-1 (iss. 2) UL 508	
Product certifications	CSA UL	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-4055 °C	
Vibration resistance	3 gn +/- 1 mm 10150 Hz opening EN/IEC 60068-2-27 5 gn +/- 1 mm 10150 Hz closing EN/IEC 60068-2-27	
IP degree of protection	IP40 EN/IEC 60529	
Shock resistance	15 gn on closing EN/IEC 60068-2-27 15 gn on opening EN/IEC 60068-2-27	
RoHS EUR conformity date	0801	
RoHS EUR status	Compliant	

