RPM32B7



Main

Range of product	Zelio Relay
Series name	Power
Product or component type	Plug-in relay
Device short name	RPM
Contacts type and composition	3 C/O
[Uc] control circuit voltage	24 V AC
[Ithe] conventional enclosed thermal current	15 A at -40131 °F (-4055 °C)
Status LED	With
Control type	Lockable test button
Utilisation coefficient	20 %

Complementary

Shape of pin	Flat	
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA	
[Uimp] rated impulse withstand voltage	4 kV 1.2/50 μs	
Contacts material	AgNi	
[le] rated operational current	15 A at 277 V AC conforming to UL 7.5 A at 28 V DC (NC) conforming to IEC 15 A at 250 V AC (NO) conforming to IEC 7.5 A at 250 V AC (NC) conforming to IEC 15 A at 28 V DC (NO) conforming to IEC 15 A at 28 V DC conforming to UL	
Maximum switching voltage	250 V conforming to IEC	
Load current	15 A at 250 V AC 15 A at 28 V DC	
Maximum switching capacity	3750 VA 420 W	
Minimum switching capacity	170 mW at 10 mA, 17 V	
Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load	_
Mechanical durability	10000000 cycles	
Electrical durability	100000 cycles resistive load	
Average coil consumption in VA	1.7 at 60 Hz	
Drop-out voltage threshold	>= 0.15 Uc AC	
Operating time	20 ms at nominal voltage	
Reset time	20 ms at nominal voltage	
Average resistance	110 Ohm +/- 15 % at 20 °C	
Rated operational voltage limits	19.226.4 V AC	
Protection category	RTI	
Operating position	Any position	
Safety reliability data	B10d = 100000	
Product weight	0.12 lb(US) (0.054 kg)	
Device presentation	Complete product	_

Environment

dielectric strength	2000 V AC between coil and contact with reinforced insulation 2000 V AC between poles with basic insulation 1500 V AC between contacts with micro disconnection insulation
standards	EN/IEC 61810-1

	UL 508 CSA C22.2 No 14
product certifications	CSA RoHS UL REACH EAC
ambient air temperature for storage	-40185 °F (-4085 °C)
ambient air temperature for operation	-40131 °F (-4055 °C)
vibration resistance	3 gn (f = 10150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) 5 gn (f = 10150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)
IP degree of protection	IP40 conforming to EN/IEC 60529
shock resistance	30 gn not operating 15 gn in operation
pollution degree	3

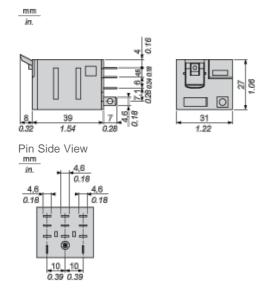
Offer Sustainability

WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:	
Nickel compounds, which is known to the State of California to cause cancer, and	Nickel compounds, which is known to the State of California to cause cancer, and	
Di-isodecyl phthalate (DIDP), which is known to the StateDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth of California to cause birth defects or other reproductive harm. harm.		
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov	

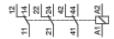
Contractual warranty

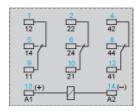
Warranty period	18 months
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Dimensions



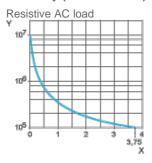
Wiring Diagram





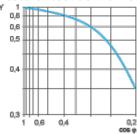
Electrical Durability of Contacts

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



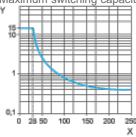
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)

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



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



- X Voltage DC
- Y Current DC

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