

AZ951/AZ952

SUBMINIATURE POWER RELAY

FEATURES

- Subminiature size for high density packaging
- Low cost relay, SPDT contact arrangement
- 2 different pinnings available
- 1 Amp, 3 Amp and 5 Amp versions available
- Standard and sensitive coils up to 24 VDC available
- Sensitive coils with low pickup power of 116 mW
- Epoxy sealed
- Life expectancy of up to 10 million operations
- UL, CUR file E43203



CONTACTS

Arrangement	SPDT (1 Form C)
Ratings (max.) (resistive load)	
Light duty version	
switched power	30 W or 125 VA
switched current	1 A
switched voltage	60 VDC* or 220VAC
Medium duty version	
switched power	90 W or 375 VA
switched current	3 A
switched voltage	60 VDC* or 220VAC
Heavy duty version	
switched power	150 W or 625 VA
switched current	5 A
switched voltage	60 VDC* or 220VAC
	* Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
UL Rated Loads	
Light duty version	1 A at 125 VAC 1 A at 30 VDC
Medium duty version	3 A at 125 VAC 3 A at 30 VDC 270 VA, 125 VAC, Pilot Duty, 30k cycles (N.O.), 6k cycles (N.C.)
Heavy duty version	5 A at 125 VAC 5 A at 30 VDC
Contact materials	
Light duty version	Silver (Ag + Au), gold plated
Medium duty version	Silver (Ag + Au), gold plated
Heavy duty version	Silver nickel (AgNi + Au), gold plated
Initial resistance	≤ 50 mΩ

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy	(minimum operations)
mechanical	1×10^7
electrical	1×10^5 at 3 A 120 VAC resistive
Operate Time	5 ms (typ.) at nominal coil voltage
Release Time	1 ms (typ.) at nominal coil voltage, without coil suppression
Dielectric Strength	(at sea level for 1 min.) 1000 V _{RMS} coil to contact 500 V _{RMS} between open contacts
Insulation Resistance	1000 MΩ (min.) at 20°C, 500 VDC, 50% RH
Temperature Range	(at nominal coil voltage)
operating	
standard coil versions	-25°C (-13°F) to 55°C (131°F)
sensitive coil versions	-25°C (-13°F) to 70°C (158°F)
Vibration resistance	1.5 mm (0.062") DA at 10–55 Hz
Shock	10 g operating
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P. C.
Soldering	
Max. Temperature	270°C (518°F)
Max. Time	5 seconds
Cleaning	
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Dimensions	
length	15.75 mm (0.620")
width	10.75 mm (0.423")
height	11.81 mm (0.465")
Weight	3.5 grams (approx.)
Packing unit in pcs	25 per plastic tray / 2000 per carton box
Compliance	UL 508, RoHS

ZETTLER electronics GmbH - A ZETTLER GROUP Company

Junkersstr. 3, D-82178 Puchheim, Germany

phone: +49 89 800 97-0
fax: +49 89 800 97-200

office@ZETTLERelectronics.com
www.ZETTLERelectronics.com

This product specification to be used only together with the application notes which can be downloaded from www.ZETTLERelectronics.com/pdfs/relais/ApplicationNotes.pdf

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [Zettler](#) manufacturer:

Other Similar products are found below :

[PCN-105D3MH,000](#) [59641F200](#) [5JO-1000CD-SIL](#) [5X827E](#) [5X837F](#) [5X840F](#) [5X842F](#) [5X848E](#) [LY2N-AC120](#) [LY2-US-AC120](#) [LY2-US-DC24](#) [LY3-US-AC120](#) [LY4F-UA-DC12](#) [LY4F-UA-DC24](#) [LY4F-US-AC120](#) [LY4F-US-AC240](#) [LY4F-US-DC24](#) [LY4F-VD-AC110](#)
[M115C60](#) [M115N010](#) [M115N0150](#) [603-12D](#) [60HE1-5DC](#) [60HE2S-12DC](#) [61211T0B4](#) [61212T400](#) [61222Q400](#) [61243B600](#) [61243C500](#)
[61243Q400](#) [61311BOA2](#) [61311BOA6](#) [61311BOA8](#) [61311C0A2](#) [61311COA1](#) [61311COA6](#) [61311F0A2](#) [61311QOA1](#) [61311QOA4](#)
[61311T0D6](#) [61311TOA6](#) [61311TOA7](#) [61311TOB3](#) [61311TOB4](#) [61311U0A6](#) [61312Q600](#) [61312T400](#) [61312T600](#) [61313U200](#) [61313U400](#)