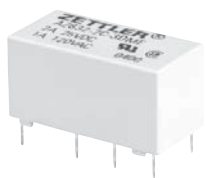


Polarized DIP relays - single side stable



AZ832 polarized DIP relays - single side stable • Low profile for compact board spacing • **DC coils: up to 48 V DC** • High sensitivity, 96 mW pick up • Life expectancy to 20 million operations • High switching capacity, 60 W, 250 VA • Fits standard 16 pin IC socket • Epoxy sealed for automatic wave soldering and cleaning • Meets FCC Part 68.302 1500 V lightning surge • Meets FCC Part 68.304 1000 V dielectric • UL, CUR-E43203

Contacts

Contact number & arrangement	2C/O DPDT (2 Form C) Bifurcated crossbar contacts	
Contact material	AgPd with Ag and Au plating ❶	
Resistive load		
• max. switching power	60 W / 250 VA	
• max. switching current	2 A	
• max. switching voltage	250 V DC ❷	250 V AC
• rated load	UL: 2 A / 30 V DC	1 A / 125 V AC
Resistance	≤ 50 mΩ initially	

Coil (Polarized)

Rated voltage	DC	3-5-6-12-24-48 V
Must release voltage		≥ 0,1 U _n
Power consumption	DC	0,15...0,2 W
Power at pickup voltage (typical value)		128 mW standard coil 96 mW sensitive coil
Max. continuous dissipation		0,9 W 20°C
Temperature		max. 115 °C

General data

Electrical life:	• AC1	10 ⁵ 1 A, 125 V AC 2 x 10 ⁶ 0,5 A, 125 V AC
	• DC1	10 ⁵ 2 A, 30 V DC 2 x 10 ⁶ 1 A, 30 V DC
Mechanical life		2 x 10 ⁷
Operating time (typical value) at U _n coil		3 ms
Release time (typical value) at U _n coil		2 ms (with no coil suppression)
Bounce (typical)		3 ms
Dielectric strength insulation (at sea level for 1 min.)		1 500 Vrms contact to coil 1 000 Vrms contact to contact 1 000 Vrms between contact sets
Insulation resistance 20 °C, 500 V DC, 50% RH		min. 1000 MΩ
Dimensions (L x W x H)		20,2 x 10 x 10,65 mm
Weight		5 g
Enclosure		poliester P.B.T.
Terminals		alloy Cu-Sn
Ambient temperature		
• storing		-40...+105 °C
• operating		-40...+85 °C
Cover protection category		IP 67
Shock resistance		50 g
Vibration resistance		50 g 10...500 Hz
Solder bath temperature		max. 270 °C
Solvent temperature		max. 80 °C
Immersion Time		max. 30 s
Soldering time		max. 5 s

❶ Min. current / voltage: 10 µA / 10 mV

❷ At switching voltage above 30 V DC, contact Relpol S.A.

Notes: All values at 20 °C • Relays should not operate when the limit values are exceeded • Relay adjustment may be affected by undue pressure on relay case • Coil polarity is fixed • For complete insulation between the relay's magnetic fields, it is recommended that 5,0 mm space be provided between adjacent relays • Specifications subject to change without notice.



Polarized DIP relays - single side stable

Coil data - standard version

Table 1

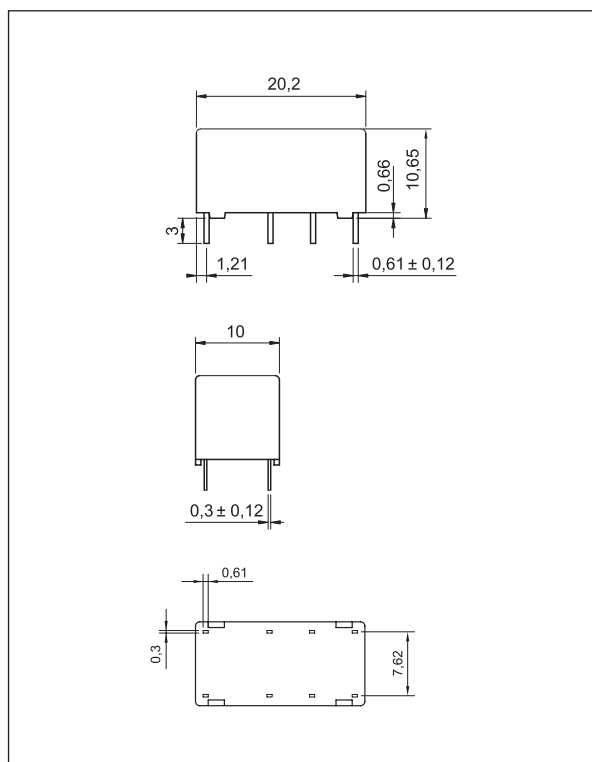
Relay code	Nominal Coil V DC	Max. Continuous V DC	Coil Resistance $\pm 10\%$ Ω	Must Operate V DC
AZ832-2C-3DE	3,0	6,4	45	2,4
AZ832-2C-5DE	5,0	10,6	125	4,0
AZ832-2C-6DE	6,0	12,7	180	4,8
AZ832-2C-12DE	12,0	25,5	720	9,6
AZ832-2C-24DE	24,0	50,9	2 880	19,2
AZ832-2C-48DE	48,0	101,8	11 520	38,4

Coil data - sensitive version

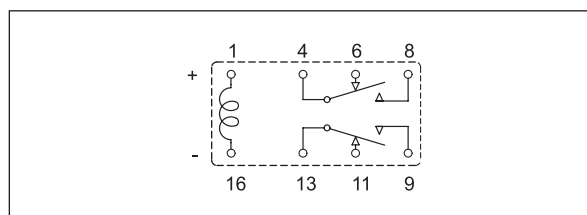
Table 2

Relay code	Nominal Coil V DC	Max. Continuous V DC	Coil Resistance $\pm 10\%$ Ω	Must Operate V DC
AZ832-2C-5DSE	5,0	12,3	167	4,0
AZ832-2C-6DSE	6,0	14,5	240	4,8
AZ832-2C-12DSE	12,0	29,0	960	9,6
AZ832-2C-24DSE	24,0	57,0	3 840	19,2

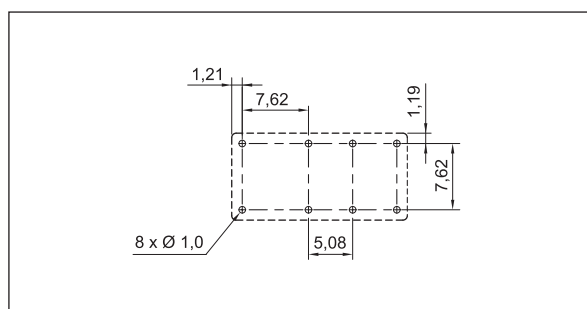
Dimensions



Connections diagram (pin side view)



Mounting holes layout



Ordering codes

See **Coil data** - Tables 1, 2