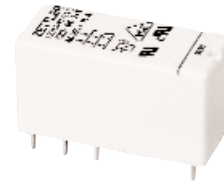


16 A SPDT MINIATURE POWER RELAY

FEATURES

- Dielectric strength 5000 Vrms
- Low height: 15.7 mm
- Epoxy sealed version available
- 16 Amp switching
- Isolation spacing greater than 10 mm
- Proof tracking index (PTI/CTI) 250
- Surpasses requirements of VDE 0631/0700
- UL, CUR file E43203; VDE 112904
- High temperature version (ambient up to 105°C (221°F)) at upon request



CONTACTS

Arrangement	SPDT (1 Form C) SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 480 W or 4000 VA Max. switched current: 16 A Max. switched voltage: 300* VDC or 400 VAC *Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
Rated Load UL, CUR VDE	16 A at 250 VAC general use 16 A at 250 VAC
Material	AgNi or AgCd0
Resistance	< 100 milliohms initially

COIL

Power At Pickup Voltage (typical)	200 mW
Max. Continuous Dissipation	2.4 W at 20°C (68°F) ambient 2.1 W at 40°C (104°F) ambient
Temperature Rise	14°C (25°F) at nominal coil voltage
Max. Temperature	115°C (239°F)

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 Mechanical Electrical	Minimum operations 3 x 10 ⁷ 1 x 10 ⁵ at 16 A 240 VAC res.
Operate Time (typical)	7 ms at nominal coil voltage
Release Time (typical)	3 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	5000 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	10 ⁵ megohms min. at 20°C 500 VDC 50% RH
Insulation (according to DIN VDE 0110, IEC 60664-1)	B250 at 1 Form C, unsealed C250 at other relay versions Overvoltage category: III Pollution degree: 3 Nominal voltage: 250 VAC
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 85°C (185°F)
Vibration	Break contacts: 5 g at 20...500 Hz Make contacts: 20 g at 30...500 Hz
Shock	30 g
Enclosure	P.B.T. polyester, UL-94 ; V0
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Weight	14 grams

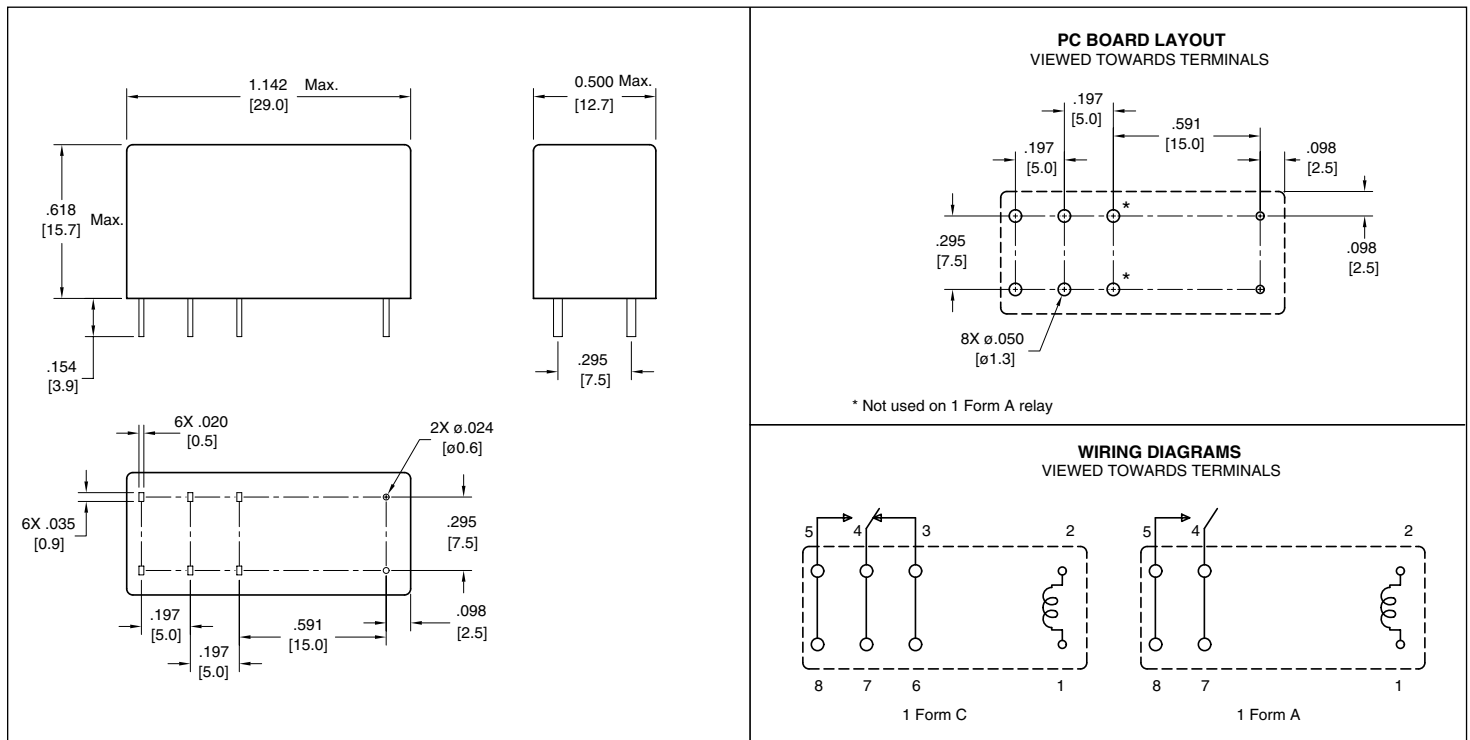
AZ764

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
3	2.1	7.6	22	AZ764-1CH-3D	AZ764-1CH-3DE
5	3.5	12.7	60	AZ764-1CH-5D	AZ764-1CH-5DE
6	4.2	15.3	90	AZ764-1CH-6D	AZ764-1CH-6DE
9	6.3	22.9	200	AZ764-1CH-9D	AZ764-1CH-9DE
12	8.4	30.6	360	AZ764-1CH-12D	AZ764-1CH-12DE
18	12.6	45.9	710	AZ764-1CH-18D	AZ764-1CH-18DE
24	16.8	61.2	1,440	AZ764-1CH-24D	AZ764-1CH-24DE
36	25.2	92	3,140	AZ764-1CH-36D	AZ764-1CH-36DE
48	33.6	122.0	5,700	AZ764-1CH-48D	AZ764-1CH-48DE
60	42.0	153.0	7,500	AZ764-1CH-60D	AZ764-1CH-60DE
110	77.0	280.0	25,200	AZ764-1CH-110D	AZ764-1CH-110DE

*"1CH" : 1 Form C, contact material AgCdO; "1AH" : 1 Form A, contact material AgCdO; "1C" : 1 Form C, contact material AgNi; "1A" : 1 Form A, contact material AgNi.

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "

HARDWARE

For P.C.B. mount:	Socket EC50 Retaining Clip MP16 / MH16
For DIN rail mount:	Socket ES50 Retaining Clip MS16

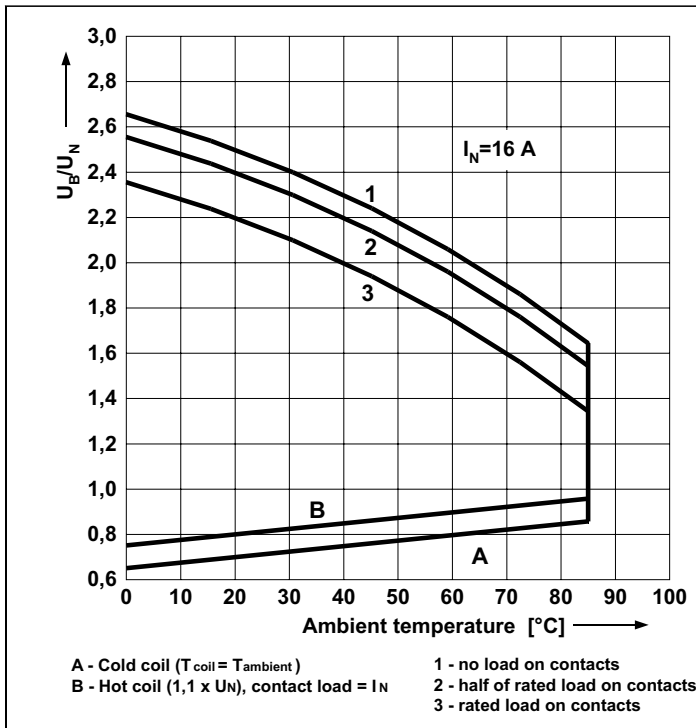
ZETTLER electronics

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Telephone +44 (0) 1582 599 600 Fax +44 (0) 1582 599 700

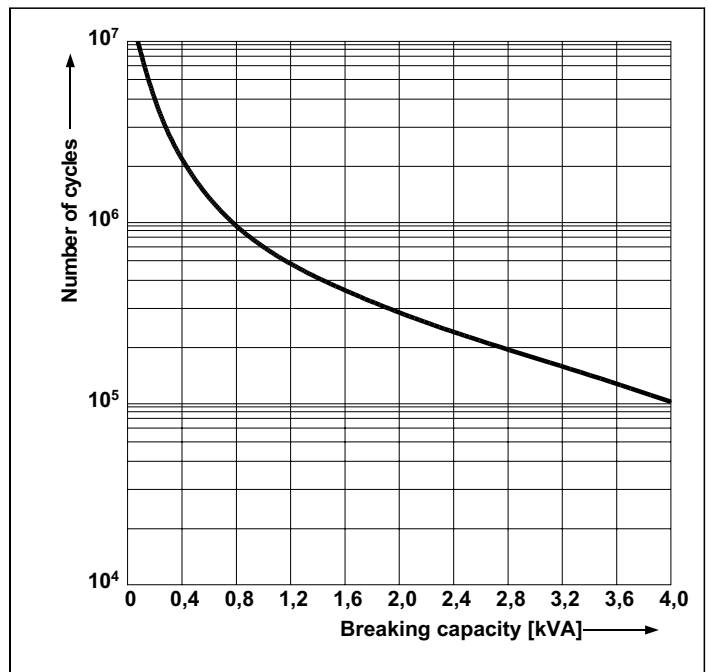
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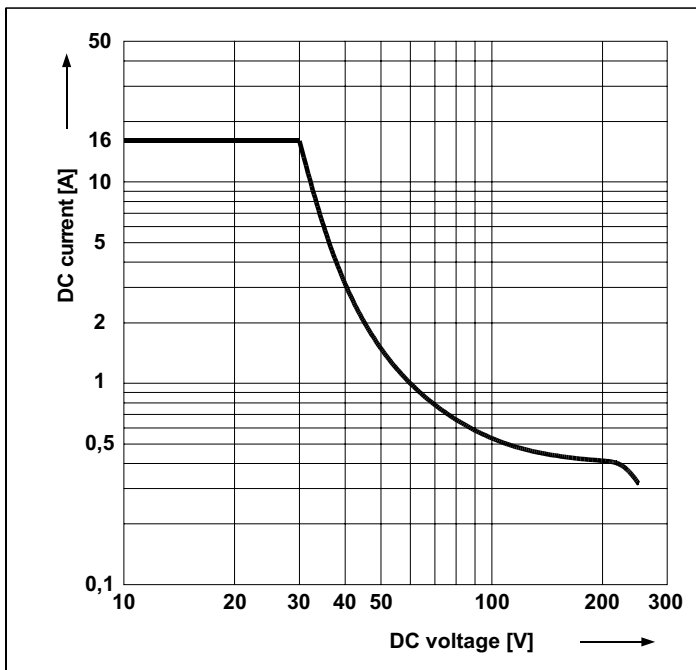
Coil operating range



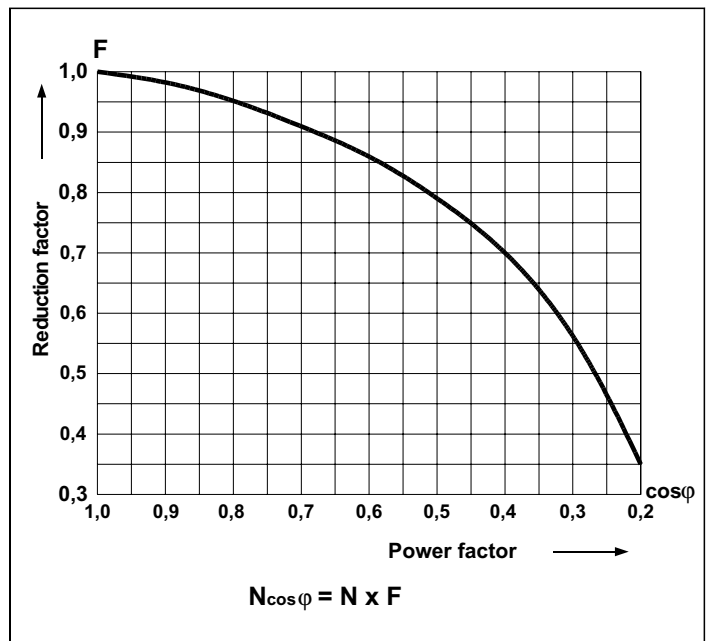
Electrical life at 250 VAC, resistive load



Max. DC resistive load breaking capacity



Electrical life reduction factor at inductive AC load



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