

AZSR1160

160 AMP POWER RELAY

FEATURES:

- Dielectric strength 4000Vrms
- 160 Amp switching
- Contact gap : > 3.2mm /3.6mm available
- Clearance / creepage > 10mm
- UL : E365652
- TUV : B 088793 0013
- CQC : CQC18002210952
- Insulation: Class F



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 110400VA Max. switched current: 160A Max. switched voltage: 690VAC Max. continuous current: 160A
Rated Load UL/TUV/CQC	160A at 690 VAC, Res., 1k cycles, 85°C 60A making, 160A carrying, 60A breaking 690VAC, Res., 30k cycles, 85°C
Material	AgSnO2
Resistance	< 100mΩ initially (at 6V, 1A, voltage drop method)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1000,000 cycles Min. 1k cycles @160A 690VAC Res. 30k cycles @60A making, 160A carrying, 60A breaking ,690VAC, Res
Operate Time(typical)	40 ms Max. at nominal coil voltage
Release Time(typical)	15 ms Max. at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1min.)	4000 Vrms(coil to contacts) 2000 Vrms(between open contacts)
Surge Voltage	10KV @1.2/50μs (coil to contacts) 8150V @1.2/50μs(between open contacts)
Insulation Resistance	1,000MΩ min. at 20°C 500VDC 50% RH
Holding voltage	Greater than 40% of nominal coil voltage
Dropout	Greater than 5% of nominal coil voltage
Ambient Temperature Operating Storage	At rated coil voltage -40°C(-40F)to 85°C(185°F)
Vibration	1.5mm DA at 10-55 Hz
Shock	10g
Enclosure	P.B.T, Polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C(518°F)
Max. solder time	5 seconds
Weight	265g

COIL

Power At pickup Voltage Max. Continuous Dissipation Temperature Rise	3000 mw (typical) 3.63 W at 20°C(68°F) ambient 70°C Max. at Rated voltage,85°C
Temperature	Max. 155°C(311°F) class F

NOTES

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

ZETTLER RELAY (XIAMEN) CO., LTD. www.zettlercn.com

No.6 Xinjing Road, Xinyang Industrial Zone, Haicang District, Xiamen, China 361028

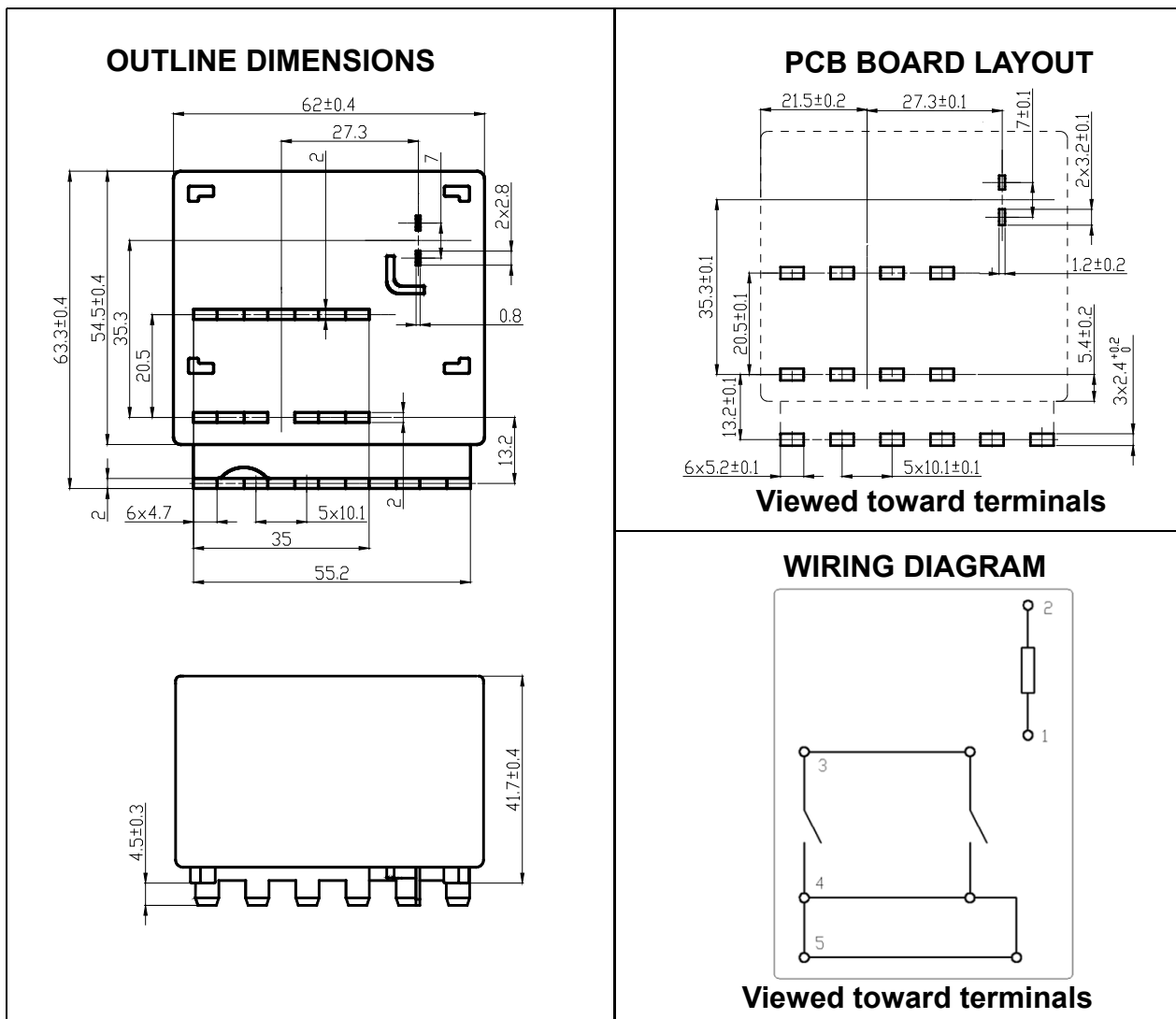
AZSR1160

RELAY ORDERING DATA

COIL SPECIFICATIONS					ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Min. holding VDC	Max. Continuous VDC	Coil Resistance $\Omega \pm 10\%$	
6	4.5	2.4	6.6	12	AZSR1160-1AE-6D
9	6.7	3.6	9.9	27	AZSR1160-1AE-9D
12	9	4.8	13.2	48	AZSR1160-1AE-12D
24	18	9.6	26.4	192	AZSR1160-1AE-24D
48	36	19.2	52.8	768	AZSR1160-1AE-48D

*All values at 20°C, terminals are downward.

MECHANICAL DATA



ZETTLER RELAY (XIAMEN) CO., LTD. www.zettlercn.com

No.6 Xinjing Road, Xinyang Industrial Zone, Haicang District, Xiamen, China 361028