



MAIN FEATURE

1. High switching current 20A.
2. 8mm creepage distance.
3. Surge strength up to 10,000V and dielectric strength 5,000V available.
4. High sensitivity DC coil type of low power consumption available.
5. 1/3 horse power at 250VAC of GZ series is certified by UL.
6. TV-8 at 120VAC rating of GZT model is approved by UL.
7. Halogen free series available.
8. Comply with RoHS and REACH regulations.

CONTACT RATING

Item no.	2347581	2347582
Load Type	GZ-SS-112L	GZ-SS-124L
Relay type (category)	PCB relay	PCB relay
Certifications	UL&CUL;TUV;VDE	UL&CUL;TUV;VDE
Additional product specs	SPDT	SPDT
Coil nominal Voltage	12 V DC	24 V DC
Coil voltage rating	0.54 W	0.54 W
Colour	Blue	Blue
Connection (components)	Solder pins	Solder pins
Contact material	Ag-alloy	Ag-alloy
Contact type	1 change-over	1 change-over
Content	1 pc(s)	1 pc(s)
Control mode	monostable, 1 coil	monostable, 1 coil
Durability	1 x 10 ⁷ switching operations	1 x 10 ⁷ switching operations
Electrical lifespan	1 x 10 ⁵ cycles	1 x 10 ⁵ cycles
Fall time	8 ms	8 ms
Max. pick-up voltage	9.6 VDC	19.2 VDC
Max. temperature	55 °C	55 °C
Min. pick-up voltage	0.6 VDC	1.2 VDC
Min. temperature	-30°C	-30°C
Packaging type (components)	Tube	Tube
Product size (height)	20.6mm	20.6mm
Product size (length)	29.1mm	29.1mm
Product size (width)	13mm	13mm
Product type	PCB relay	PCB relay
Resistance (coil)	270 Ω	1100 Ω
Response time	20 ms	20 ms
RoHS-compliant	Yes	Yes
Switching capacity (max.)	4000VA 380 W	4000VA 380 W
Switching current (max.)	20 A	20 A
Switching voltage (max.)	240 V AC 110 V DC	240 V AC 110 V DC
Weight	13.2 g	13.2 g

APPLICATION

Cooking Appliances, Air Conditioner, Audio Equipment, Domestic Appliances, Controlling Equipment...etc.

PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time 15 mSec. Max. (D Type)
20 mSec. Max. (L Type)
- Release Time 8 mSec. Max.

- Coil Temperature Rise 45°C Max. (D Type)
35°C Max. (L Type)
- Vibration:
 - Destruction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
 - Malfunction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfunction 100 m/S²

- Dielectric Strength:
 - Between Coil & Contact..... 5,000VAC at 50/60 Hz for one minute
 - Between Contacts 1,000VAC at 50/60 Hz for one minute
- Surge Strength 10,000V (between Coil & Contact 1.2x50µSec.)
- Insulation Resistance..... 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
 - Electrical 6 Cycles per Minute
 - Mechanical..... 300 Cycles per Minute
- Temperature Range -30~+55°C
- Humidity Range 45~85% RH.

- Life Expectancy:
 - Mechanical 10⁷ Operations at No Load condition
 - Electrical 10⁵ Operations at Rated Resistive Load. 2.5x10⁴ Operations at TV Rated Load.
- Weight About 13.2 g

SAFETY STANDARD & FILE NUMBER

- UL & C-UL..... E141060
- TÜV R9854192
- VDE 40006999

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GZ-SS-112L	12	44.4	270	Abt. 0.54	80% Maximum	5% Minimum	130%
GZ-SS-124L	24	21.8	1,100				

ORDERING INFORMATION

GZ - SS - 1 12

Contact Form: Nil: One Form C

Coil Type: L: High DC

Coil Voltage: 12: 12V, 24: 24V

Number of Pole: 1: One Pole

Type of Sealing: SS: RT II Flux Proofed

Type: GZ

DIMENSION (≤ 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

GZ

