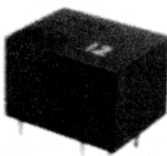


Miniature General Purpose Relays

5 Amp SPDT
L — 0.843"
W — 0.646"
H — 0.583"



LZ RELAY



CONTACT DATA

Arrangement — 1 Form C

Material — 5A type: Gold overlay silver-nickel alloy (single)
3A type: Gold overlay silver (single)
1A type: Gold overlay silver-palladium alloy (bifurcated)

Load — 5A type: 5A @ 30V DC or 120V AC, 4A @ 240V AC resistive, 1/2 HP
3A type: 3A @ 30V DC or 120V AC, 2.5A @ 240V AC resistive, 1/10 HP
1A type: 1A @ 30V DC or 120V AC, resistive

Life — Mechanical: 20 million operations minimum
Electrical: 0.1 x 10⁶ operations minimum at rated load

Timing — Operate: < 5 ms (standard type), < 6 ms (high sensitive type)
Release: < 2 ms

COIL DATA (@ 20°C)

Operate Power — 210 mW (standard type), 150 mW (high sensitive type)

Nominal Power — 450 mW (standard type), 330 mW (high sensitive type)

Maximum Power — 1.4W

GENERAL DATA

Insulation Resistance — 250 MΩ at 500V DC

Dielectric Strength — 750V AC between open contacts
2000V AC between all other points

Temperature Range — standard type -40°C to +70°C
sensitive type -40°C to +80°C

Vibration Resistance — 15G (10-55 Hz)

Shock Resistance — 15G (11 ms ± 1 ms)

Approximate Weight — 8 gr (0.28 oz.)

Enclosure — Standard — polycarbonate
Washable or sealed — PBT

Surge Strength — 3000V

Standard Coil and Contact Combinations (20°C)

| Nominal Voltage | Pull-in Voltage | Maximum Continuous Voltage | Coil Resistance ±10%, Ohms | Ordering Code | |
|-----------------|-----------------|----------------------------|----------------------------|---------------|----|
| | | | | 5A* | 3A |

Standard Types

| Nominal Voltage | Pull-in Voltage | Maximum Continuous Voltage | Coil Resistance ±10%, Ohms | Ordering Code (5A*) | Ordering Code (3A) |
|-----------------|-----------------|----------------------------|----------------------------|---------------------|--------------------|
| 5 | 3.25 | 8.3 | 56 | LZ-5H-C | LZ-5-C |
| 6 | 3.90 | 9.9 | 80 | LZ-6H-C | LZ-6-C |
| 9 | 5.85 | 14.9 | 180 | LZ-9H-C | LZ-9-C |
| 12 | 7.80 | 19.8 | 320 | LZ-12H-C | LZ-12-C |
| 24 | 15.6 | 39.6 | 1280 | LZ-24H-C | LZ-24-C |
| 48 | 28.8 | 79.2 | 3800 | LZ-48H-C | LZ-48-C |

High Sensitive Types

| Nominal Voltage | Pull-in Voltage | Maximum Continuous Voltage | Coil Resistance ±10%, Ohms | Ordering Code (5A*) | Ordering Code (3A) |
|-----------------|-----------------|----------------------------|----------------------------|---------------------|--------------------|
| 5 | 3.25 | 9.8 | 80 | LZ-5HS-C | LZ-5S-C |
| 6 | 3.90 | 11.7 | 110 | LZ-6H-C | LZ-6S-C |
| 9 | 5.85 | 17.6 | 250 | LZ-9HS-C | LZ-9S-C |
| 12 | 7.80 | 23.4 | 440 | LZ-12H-C | LZ-12S-C |
| 24 | 15.6 | 45.6 | 1780 | LZ-24H-C | LZ-24S-C |

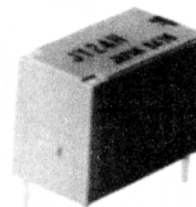
*Add 5% to List Price

S PST-NO 10A Type

| Nominal Voltage | Pull-in Voltage | Maximum Continuous Voltage | Coil Resistance ±10%, Ohms | Ordering Code |
|-----------------|-----------------|----------------------------|----------------------------|---------------|
| 5 | 3.25 | NA | 56 | LZVM-5-C |
| 6 | 3.90 | NA | 80 | LZVM-6-C |
| 9 | 5.85 | NA | 180 | LZVM-9-C |
| 12 | 7.8 | NA | 320 | LZVM-12-C |
| 24 | 15.6 | NA | 1280 | LZVM-24-C |
| 48 | 28.8 | NA | 3800 | LZVM-48-C |



JY RELAYS



5 Amp SPST-NO
L — 0.795"
W — 0.394"
H — 0.504"

CONTACT DATA

Arrangement — 1 Form A (SPST-N.O.)

Material & Rating —

JY-()H, JY-() — Gold plated silver cadmium oxide alloy
JY-()H — 5A, 30V DC or 250V AC resistive
JY-() — 3A, 30V DC or 250V AC resistive

Life Expectancy — Mechanical — 20 million operations
Electrical — 100,000 operations at rated load

COIL DATA

Voltage — JY- 4.5 to 24V DC

Power (at 20°C) — JY- Nominal 0.2W
JY- Operate 0.098W

Max. Operate (at 20°C) — 70% of nominal voltage

Duty — Continuous

GENERAL DATA

Insulation Resistance — Min. 1000MΩ at 500V DC

Dielectric Strength — JY- 750V AC (50/60 Hz) between open contacts

Surge Strength — 6000V (1 x 40μs)

Temperature Range (at Nominal Voltage) —
JY- -40°C to +80°C — Non-carrying condition of contacts

Time Value — Operate Max. 10ms
Release Max. 10ms

Weight — 5gr (Approx.)

Enclosure — PBT

Standard Coil and Contact Combinations

| Nominal Voltage | Operate Voltage | Maximum Continuous Voltage | Coil Resistance | Ordering Code |
|-----------------|-----------------|----------------------------|-----------------|---------------|
| 5 | 3.5 | 11.5 | 125 | JY-5-H-K |
| 6 | 4.2 | 13.8 | 180 | JY-6-H-K |
| 9 | 6.3 | 20.7 | 405 | JY-9-H-K |
| 12 | 8.4 | 27.6 | 720 | JY-12-H-K |
| 18 | 12.6 | 41.4 | 1620 | JY-18-H-K |
| 24 | 16.8 | 55.2 | 2880 | JY-24-H-K |
| 48 | 32.6 | 81.6 | 6400 | JK-48H-K |
| JY Socket | | | | JK-4N |