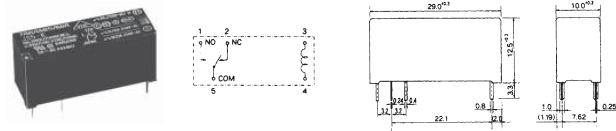


Power Relays



JS Series

1 POLE— MEDIUM LOAD CONTROL POWER RELAY. UL class B (30°C) coil wire insulation, low profile and space saving, high sensitivity and high isolation in small package

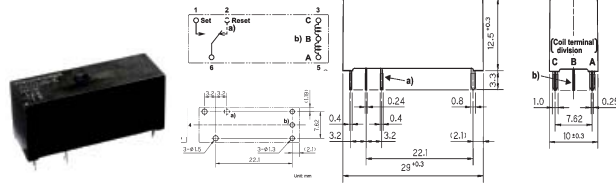


Technical Parameters	JS
Contacts Type	SPDT
Max. Switching Current	10 A
Max. Switching Voltage	400 VAC / 150 VDC
Max. Switching Power	2000 VA, 192 W
Contact Material	JS-x-K: gold plate silver cadmium oxide JS-xN-K: gold plate silver tin oxide
Insulating Voltage	5000 VAC
Operate/Release Time	10 ms / 5 ms
Temperature Range	-40°C to +85°C
Mechanical Lifetime	20mil. cycles
Electrical Lifetime	100 000 (N- 50 000) cycles
Dimensions	10 x 29 x 13 mm

Part No.	Ord. No.	Description
S JS-5-K	5102	5V 112R
S JS-5N-K	70138	5V 112R
S JS-12-K	31841	12V 660R
S JS-12N-K	56061	12V 660R
S JS-24-K	31842	24V 2350R
S JS-24N-K	65008	24V 2350R

JSL Series

1 POLE— POLARIZED LATCHING TYPE 2 COILS POWER RELAY. Small footprint, high isolation

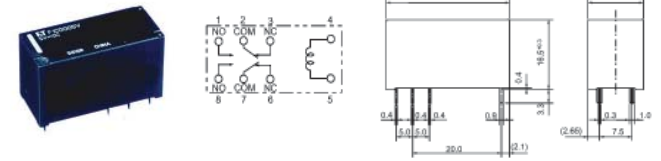


Technical Parameters	JSL
Contacts Type	SPDT
Max. Switching Current	10 A
Max. Switching Voltage	400 VAC / 150 VDC
Max. Switching Power	4000 VA, 480 W
Insulating Voltage	5000 VAC
Contact Material	gold plate silver tin oxide
Operate/Release time	10 ms / 20 ms
Temperature range	-40°C to +70°C
Mechanical lifetime	20mil. cycles
Electrical lifetime	100 000 cycles
Dimensions	12,5 x 29 x 10 mm

Part No.	Ord. No.	Description
S JSL-D5N-K	70158	10A 53R
S JSL-D12N-K	70159	10A 300R
S JSL-D24N-K	70160	10A 1200R

FTR-F1 Series

2 POLES— 5 A LOW PROFILE TYPE POWER RELAY. Higher isolation by employing reinforced insulation construction. Pin configuration compatible to VB series

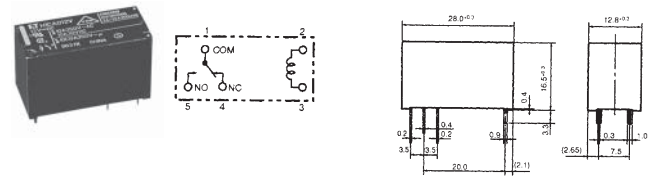


Technical Parameters	FTR-F1
Contacts Type	DPDT
Max. Switching Current	2 x 5 A
Max. Switching Voltage	400 VAC / 300 VDC
Max. Switching Power	1250 VA, 120 W
Insulating Voltage	5000 VAC
Operate/Release Time	15 ms / 5 ms
Temperature Range	-40°C to +75°C
Mechanical Lifetime	20mil. cycles
Electrical Lifetime	100 000 cycles
Dimensions	17 x 29 x 13 mm

Part No.	Ord. No.	Description
S FTR-F1 CA 012 V	9039	12V 270R
S FTR-F1 CA 024 V	8532	24V 1100R

FTR-H1 Series

1 POLE— 10 A LOW PROFILE TYPE POWER RELAY. Type of service: continuous duty, low profile, UL class B (130°C) insulation, high isolation in small package. Pin configuration compatible to VS/ FBR610 Series

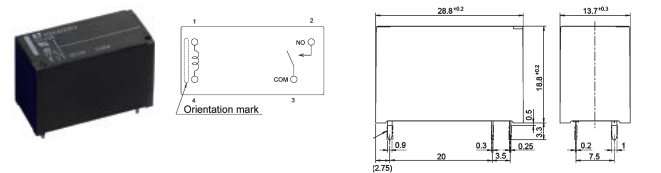


Technical Parameters	FTR-H1
Contacts Type	SPDT
Max. Switching Current	10 A
Max. Switching Voltage	380 VAC / 300 VDC
Max. Switching Power	2500 VA, 300 W
Insulating Voltage	5000 VAC
Operate/Release Time	10 ms / 5 ms
Temperature Range	-40°C to +75°C
Mechanical Lifetime	20mil. cycles
Electrical Lifetime	100 000 cycles
Dimensions	13 x 28 x 17 mm

Part No.	Ord. No.	Description
S FTR-H1 C A 012 V	3050	12V 270R
S FTR-H1 C A 024 V	3051	24V 1100R

FTR-H3 Series

SILENT POWER RELAY, 1 POLE— 78A/120A INRUSH CURRENT TYPE. Pin compatible with widely used VS and FTR-H1 series power relays, ultra silent relay with patented unique U-shape spring. Noise level is about 50dB at 5cm. Low profile (height 16.5 mm)/ cadmium free contacts, high isolation in small package



Technical Parameters	FTR-H3
Contacts Type	SPST-NO
Max. Switching Current	10 A
Max. Switching Voltage	400 VAC / 300 VDC
Max. Switching Power	2500 VA, 300 W