

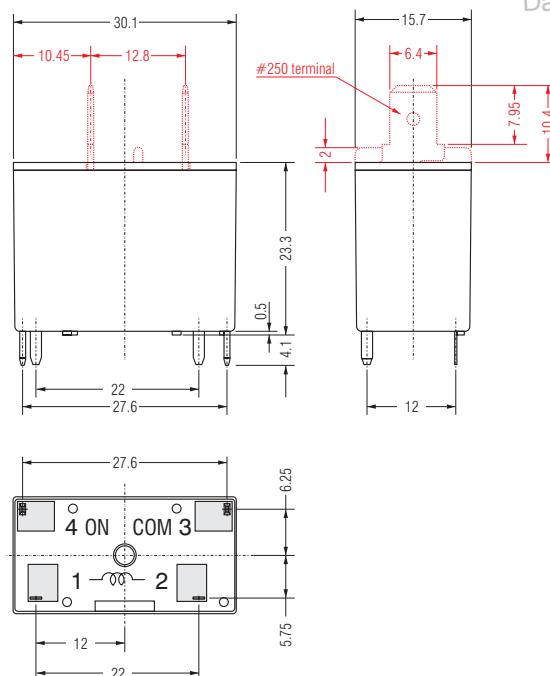
20 Amp PCB Mount



- 1 Form A (SPSI-NO) contact
- Heavy duty 20A power relay for compressor loads and inverter loads
- High sensitivity in small package - Nominal power 780mW
- High insulation with reinforced insulation system (between coil and contact)
 - Clearance distance 8mm, Creepage distance 9.5mm
 - Dielectric strength 5,000 VAC
 - Surge strength 8,500 V
- Operating temp of 40°C to 60°C
- Dimensions 30.1 x 15.7 x 23.3 mm
- Mechanical life rated at 2 million operations and an electrical life of 100,000 operations at rated load (20A, 250VAC)
- Plastic materials
 - UL94 flame class V-0
 - CTI>250 (UL CTI level class 2)
- Contains no lead and features cadmium-free contacts
- UL, CSA, VDE, CQC approvals
- RoHS Compliant since production

Contact Arrangement	: 1 Form A
Material	: AgSnO ₂ (silver alloy)
Resistance (initial)	: Max. 100 mΩ (at 1A 6VDC)
Rating	: 20A 250VAC
Max. Carrying Current	: 25A
Max. Switching Power	: 6250VA
Max. Switching Voltage	: 250VAC
Min. Switching Load	: 100mA 5VDC (Reference)
Max. Switching Current	: 25A
Coil Operating Temp.	: -40°C to 60°C (no frost)
Operating Time	: Max. 20ms (at nominal voltage, without bounce)
Release Time	: Max. 10ms (at nominal voltage, without bounce)
Insulation Resistance	: Min. 1000MΩ at 500VDC
Dielectric Strength	: 1000VAC, 1 min (B/T contacts) 5000VAC, 1 min (B/T coil and contacts)
Mechanical Life	: 20 x 10 ⁶ operations min.
Elec. Resistive Load	: 100 x 10 ³ operations min.
Elec. Motor Load	: 200 x 10 ³ operations min.
Elec. inverter Load	: 30 x 10 ³ operations min.
Vibration Resistance	: 10 to 55 Hz at double amplitude of 1.5mm
Shock Resistance	: Min. 200m/s ² (11 ±1ms) Min. 1000m/s ² (6 ±1ms)
Weight	: ±25g

Tab terminal & PCB mounting type



(a) Series Name : FTR-K3
(b) Contact Arrangement : A : PCB Terminal
J : Tab Terminal (#250) + PCB Terminal
(c) Coil Type : B : Standard type (780mW)
(d) Coil Number : Coil Nominal Voltage
(e) Contact Material : W : AgSnO₂

Model	Nominal Voltage	Coil Resistance ($\pm 10\%$)	Operate Voltage	Release Voltage	Nominal Power ($\pm 10\%$)
FTR-K3()B005W	5 VDC	32	3.5 VDC	0.5 VDC	780 mW
FTR-K3()B006W	6 VDC	46	4.2 VDC	0.6 VDC	780 mW
FTR-K3()B009W	9 VDC	105	6.3 VDC	0.9 VDC	780 mW
FTR-K3()B012W	12 VDC	185	8.4 VDC	1.2 VDC	780 mW
FTR-K3()B018W	18 VDC	415	12.6 VDC	1.8 VDC	780 mW
FTR-K3()B024W	24 VDC	740	16.8 VDC	2.4 VDC	780 mW
FTR-K3()B048W	48 VDC	2955	33.6 VDC	4.8 VDC	780 mW

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