

# FUJITSU Power Relays



## FBR160 SERIES: 1 POLE - 3, 5, 10A

- Features:**
- Compact with high power (3A to 10A)
  - UL/CSA recognized
  - 6 types of contact materials for home electronics and automotive applications
- For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FBR161NED012U	FBR161NED012U-CSA	A	SPDT	12	3A	1.18	1.00	.85	.78

## FTR-F1 SERIES: 2 POLES - 5A LOW PROFILE TYPE

- Features:**
- DPST/DPDT 5A, TV-3 rating available
  - Higher isolation by employing insulation construction
  - Plastic sealed relay
  - UL, CSA, VDE, SEMKO BSI recognized
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-F1CA005V	FTR-F1CA005V	B	DPDT	5	5A	2.28	1.94	1.65	1.52
817-FTR-F1CA012V	FTR-F1CA012V	B	DPDT	12	5A	2.28	1.94	1.65	1.52
817-FTR-F1CD012V	FTR-F1CD012V	B	DPDT	12	5A	2.50	2.13	1.82	1.67

## FTR-F2 SERIES: 1 POLE, 5, 10A CADMIUM FREE CONTACTS TYPE

- Features:**
- High density mounting
  - High Isolation
  - High Noise resistance
  - Heat resistance, flammability
  - UL, CSA, VDE approved
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-F2AK048T	FTR-F2AK048T	C	SPST-NO	48	5A	1.78	1.51	1.29	1.18
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## FTR-H1 SERIES: 1 POLE - 10A LOW PROFILE TYPE

- Features:**
- Type of service: Continuous duty
  - UL class B (130°C) insulation
  - High isolation in small package
  - Plastic sealed relay
  - UL, CSA, BSI, VDE, SEMKO, DEMKO approved
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-H1AA005V	FTR-H1AA005V	D	SPST-NO	5	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA012V	FTR-H1AA012V	D	SPST-NO	12	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA024V	FTR-H1AA024V	D	SPST-NO	24	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA005V	FTR-H1CA005V	E	SPDT	5	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA012V	FTR-H1CA012V	E	SPDT	12	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA024V	FTR-H1CA024V	E	SPDT	24	10A	2.03	1.72	1.47	1.35

## FTR-K1 SERIES: 1 POLE - 16A LOW PROFILE TYPE

- Features:**
- High density mounting
  - High Isolation
  - Heat Resistance, Flammability 94V-0
  - Cadmium free contact for eco-program
  - UL, CSA, VDE, SEMKO approved
  - TV-5 rating approved, TV-6 available
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-K1CK024W	FTR-K1CK024W	F	SPDT	24	16A	3.00	2.55	2.18	2.00
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## FTR-F3 SERIES: 1 POLES - 6A SLIM TYPE RELAY

- Features:**
- High density mounting
  - Higher isolation
  - Insulation Distance: Minimum 6mm between coil and contact (conforms to IEC 65)
  - Dielectric Strength: 4KV
  - High coil sensitivity
  - High flammability resistance
  - Flammability 94V-0
  - UL class B (130°C)
  - Cadmium free contact for eco-program
  - UL, CSA, VDE approved
  - Plastic sealed relay
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-F3AA005E-HA	FTR-F3AA005E-HA	G	1 Form A	5	5A	1.23	1.04	.89	.82
817-FTR-F3AA012E-HA	FTR-F3AA012E-HA	G	1 Form A	12	5A	1.25	1.06	.91	.83
817-FTR-F3AA024E	FTR-F3AA024E-HA	G	1 Form A	24	5A	1.38	1.17	1.00	.92

## FTR-H3 SERIES: SILENT POWER RELAY 1 POLE - 10A LOW PROFILE TYPE

- Features:**
- Pin compatible with widely used VS and FTR-H1 series
  - Ultra silent relay unique U-shape design
  - Noise level is about 50dB at 5cm
  - High insulation in small package
  - Contact Material: Gold overlay silver alloy
  - Lead free and cadmium free contacts
  - Plastic sealed relay
  - UL, CSA, BSI, VDE, SEMKO, DEMKO approved
  - Low profile (height 16.5mm)
  - Dielectric = 3,000VAC Surge = 10,000V
  - Contact Rating = 10A
  - UL, CSA, VDE, CQC safety standards
  - Sealed type relay
  - Nominal Power = 530mW
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-H3AA005V	FTR-H3AA005V	H	1 Form A	5	47	2.57	2.19	1.87	1.71
817-FTR-H3AA009V	FTR-H3AA009V	H	1 Form A	9	155	2.77	2.35	2.01	1.84
817-FTR-H3AA012V	FTR-H3AA012V	H	1 Form A	12	270	2.77	2.35	2.01	1.84
817-FTR-H3AA024V	FTR-H3AA024V	H	1 Form A	24	1,100	2.92	2.49	2.13	1.95

## FTR-K3 SERIES: 20A POWER RELAY

- Features:**
- Heavy duty for compressor and inverter loads
  - High Sensitivity in small package
  - Nominal Power 780mW
  - High insulation with reinforced insulation system
  - Clearance distance = 8mm Creepage distance = 9.5mm
  - Dielectric = 5,000VAC Surge = 8,500V
  - Contact Rating = 20A
  - UL, CSA, VDE, CQC safety standards
- RoHS Compliant
- For quantities of 2500 and up, call for quote.

817-FTR-K3AB005W	FTR-K3AB005W	I	1 form A, PCB	5VDC	32	2.05	1.75	1.49	1.37
817-FTR-K3AB006W	FTR-K3AB006W	I	1 form A, PCB	6VDC	46	2.05	1.75	1.49	1.37
817-FTR-K3AB009W	FTR-K3AB009W	I	1 form A, PCB	9VDC	105	2.05	1.75	1.49	1.37
817-FTR-K3AB012W	FTR-K3AB012W	I	1 form A, PCB	12VDC	185	2.05	1.75	1.49	1.37
817-FTR-K3AB018W	FTR-K3AB018W	I	1 form A, PCB	18VDC	415	2.05	1.75	1.49	1.37
817-FTR-K3AB024W	FTR-K3AB024W	I	1 form A, PCB	24VDC	740	2.05	1.75	1.49	1.37
817-FTR-K3JB005W	FTR-K3JB005W	J	1 form A, TAB+PCB	5VDC	32	2.14	1.82	1.56	1.43
817-FTR-K3JB006W	FTR-K3JB006W	J	1 form A, TAB+PCB	6VDC	46	2.14	1.82	1.56	1.43
817-FTR-K3JB009W	FTR-K3JB009W	J	1 form A, TAB+PCB	9VDC	105	2.14	1.82	1.56	1.43
817-FTR-K3JB012W	FTR-K3JB012W	J	1 form A, TAB+PCB	12VDC	185	2.14	1.82	1.56	1.43
817-FTR-K3JB018W	FTR-K3JB018W	J	1 form A, TAB+PCB	18VDC	415	2.14	1.82	1.56	1.43
817-FTR-K3JB024W	FTR-K3JB024W	J	1 form A, TAB+PCB	24VDC	740	2.14	1.82	1.56	1.43

**DIMENSIONS: mm**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**I**

**J**

Fujitsu

PCB Relays

