

Signal Printed Circuit Board Relays

FTR-B3 RELAY

L - 10.6 mm
W - 7.2 mm
H - 5.45mm



CONTACT DATA

Arrangement - 2 form C

Material -Gold-overlay silver-alloy

Type - Bifurcated

Resistance (initial)-Maximum 75m (at1 A 6VDC)

Ratings (resistive) - 1 A 30 VAC or 0.3A 125VDC

Max.Carrying Current:1 A

Max.Switching Power: 62.5 VA or 30W

Max.Switching Voltage:250 VAC or 220 VDC

Max.Switching Current: 2 A

Min.Switching Load:0.01mA 10m VDC

Life Expectancy - Mechanical:50 x 10⁶ ops. min. (standard

type), 20 x 10⁶ ops. min. (latching type)

Electrical:100 x 10³ ops. min.(at 1A 30VDC

at 0.5Hz), 100 x 10³ ops. min.(at 0.3A

125VDC at 0.5Hz)

COIL DATA

Voltage (at 20°C) - 1.5 to 12VDC

Power (at 20°C) - 0.14 W (non-latch), 0.100W (latch)

Operate Power (at 20°C) - 0.078 W (non-latch), 0.056W (latch)

GENERAL DATA

Insulation Resistance - Min.1,000 M (at 500 VDC)

Dielectric Strength - 1,000 VAC 1min.(between open contacts)

1,500 VAC 1min.(coil and contacts)

Surge Strength - 1,500 V (at 10 x160µs) [FCCPart 68](between open contacts)

2,500 V (at 2 x 10µs) [Bellcore](coil and contacts)

Temperature Range - -40°C to +85°C

Time Value - Operate:3 msec./ Release:3 msec.

Weight - Approx.0.8g

Enclosure - LCP

UL, 950, EN60950, IEC60950

Meet spacing basic insulation 1500 working voltage, pollution degree2.

Standard

Nominal Voltage	Coil Resistance (±10%)	Must Operate Voltage (VDC at 20°C)	Must Release Voltage (VDC at 20°C)	Nominal Power (mW, ±10%at 20°C)	Ordering Code
1.5	16.1	1.13	0.15	140	FTR-B3(G)A1.5Z
3	64.3	2.25	0.3	140	FTR-B3(G)A003Z
4.5	145	3.38	0.45	140	FTR-B3(G)A4.5Z
12	1,028	9.0	1.2	140	FTR-B3(G)A012Z

Latching Type

1.5	22.5	1.13	-0.13	100	FTR-B3(G)B1.5Z
3	90	2.25	-2.25	100	FTR-B3(G)B003Z
4.5	203	3.38	-3.38	100	FTR-B3(G)B4.5Z
12	1,440	9.0	-9.0	100	FTR-B3(G)B012Z

FTR-B4 RELAY

L - 10.6 mm
W - 5.7 mm
H - 9.3 mm

CONTACT DATA

Arrangement - 2 form C

Material -Gold-overlay silver-alloy

Type - Bifurcated

Resistance (initial)-Maximum 100m (at1 A 6VDC)

Ratings (resistive) - Max.Switching Power: 62.5 VA or 30W

Max.Switching Voltage:250 VAC

Max.Switching Current: 1 A

Life Expectancy - Mechanical:50 x 10⁶ ops. min.(at 3Hz)

Electrical: 100 x 10³ ops. min. (at 1A 30VDC

at 0.5Hz), 100 x 10³ ops. min.(at 0.3A

125VDC at 0.5Hz)

COIL DATA

Voltage (at 20°C) - 1.5m to 12 V

Power (at 20°C) - 0.14 W(non-latch), 0.100 W (latch)

Operate Power (at 20°C) - 0.078 W (non-latch).0.056W (latch)

GENERAL DATA

Insulation Resistance - Min.1,000 M (at 500 VDC)

Dielectric Strength - 1,000 VAC 1min.(between open contacts)

1,500 VAC 1min.(coil and contacts)

Surge Strength - 1,500 V (at 10 x160µs) [FCCPart 68](between open contacts)

1,500 V (at 10 x160µs) [FCCPart 68]2,500 V

(at 2 x 10µs) [Bellcore](coil and contacts)

Temperature Range - -40°C to +85°C

Time Value - Operate:3 msec./ Release:3 msec.

Weight - Approx.1.0 g

Enclosure - LCP

UL, 950, EN60950, IEC60950

Meet spacing basic insulation 1500 working voltage, pollution degree2.

Standard

Nominal Voltage	Coil Resistance (±10%)	Must Operate Voltage (VDC at 20°C)	Must Release Voltage (VDC at 20°C)	Nominal Power (mW, ±10%at 20°C)	Ordering Code
1.5	16.1	1.13	0.15	140	FTR-B4 CA1.5Z
3	64.3	2.25	0.3	140	FTR-B4 CA3Z
4.5	145	3.38	0.45	140	FTR-B4 CA4.5Z
12	1,028	9.0	1.2	140	FTR-B4 CA12Z

Latching Type

1.5	22.5	1.13	0.13	100	FTR-B4 CB1.5Z
3	90	2.25	2.25	100	FTR-B4 CB003Z
4.5	203	3.38	3.38	100	FTR-B4 CB4.5Z
12	1,440	9.0	9.0	100	FTR-B4 CB012Z