

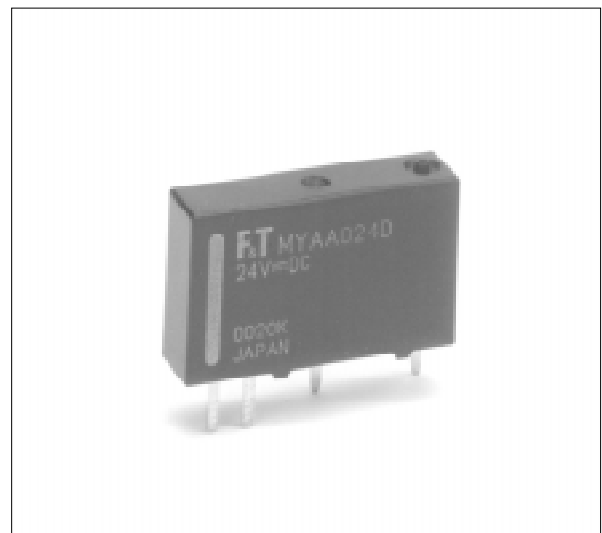
POWER RELAY

1 POLE—SLIM POWER RELAY

FTR-MY Series

■ FEATURES

- Width 5 mm, height 12 mm, area 100 mm², super slim, low power, compact and light weight 2.3 gr
- Nominal Power: 96 mW, Operate Power: 47 mW
High sensitive
- High reliability, bifurcated gold/alloy contact
- Dielectric Strength: 3600 VAC
Surge Strength: 5080 V
- SAFETY STANDARDS
UL, CSA (pending), IEC1131 compatability



■ APPLICATIONS

- PLC, I/O module, Inverter Control

■ ORDERING INFORMATION

[Example] FTR-MY A A 012 D - **
 (a) (b) (c) (d) (e) (f)

(a)	Series Name	FTR-MY Series	
(b)	Contact Arrangement	A : 1 Form A	
(c)	Coil Type	A : 96 mW	
(d)	Coil Nominal Voltage	4.5 : 4.5VDC 005 : 5 VDC 006 : 6 VDC 009 : 9 VDC	012 : 12 VDC 018 : 18 VDC 024 : 24 VDC
(e)	Contact Material	D : Silver alloy	
(f)	Custom Designation	Special Number	

Note: The designation name is stamped on the top of the relay case as follows:
 (Example: Designation ordered: FTR-MYAA012D
 Stamp: MYAA012D)

FTR-MY SERIES

■ SPECIFICATIONS

Item		FTR-MY Series	
Contact	Arrangement	1 Form A	
	Material	Gold overlaid silver alloy - Silver alloy	
	Resistance (initial)	Maximum 30mΩ (at 1A 6VDC)	
	Rating (resistive)	250VAC / 30VDC, 3A	
	Maximum Carrying Current	5A	
	Maximum Switching Rating	750VA / 90W	
	Maximum Switching Voltage	250 VAC, 125 VDC	
	Maximum Switching Current	5A	
	Maximum Switching Load *1	5 VDC, 1 mA	
Coil	Nominal Power (at 20° C)	96 mW	
	Operate Power (at 20° C)	47 mW	
	Operating Temperature	-40° C to +90° C (no frost)	
Time Value	Operate Time (at nominal voltage)	Maximum 10 ms (excluding bounce time)	
	Release Time (at nominal voltage)	Maximum 5 ms (excluding bounce time)	
Insulation	Resistance (initial)	Minimum 1,000 MΩ (at 500VDC)	
	Dielectric Strength	Between open contacts	750 VAC (50/60 Hz) 1 minute
		Between coil and contacts	3,600 VAC (50/60 Hz) 1 minute
Surge Strength	5,080 V at 1.2 x 50 μs (between coil and contacts)		
Life	Mechanical	2 x 10 ⁷ operations minimum (18,000ops/hr)	
	Electrical	Contact Rating	10 x 10 ⁴ operations minimum (600 ops/hr)
Other	Vibration Resistance	Misoperation	10-55 Hz (double amplitude of 1.5mm)
		Endurance	10-55 Hz (double amplitude of 1.5 mm)
	Shock Resistance	Misoperation	100m/s ² (11±1ms)
		Endurance	1,000m/s ² (6±1ms)
	Weight	Approximately 2.3g	

*1 Minimum switching loads mentioned above are reference values. Please perform the confirmation test with the actual load before production since reference values may vary according to switching frequencies, environmental conditions and expected reliability levels.

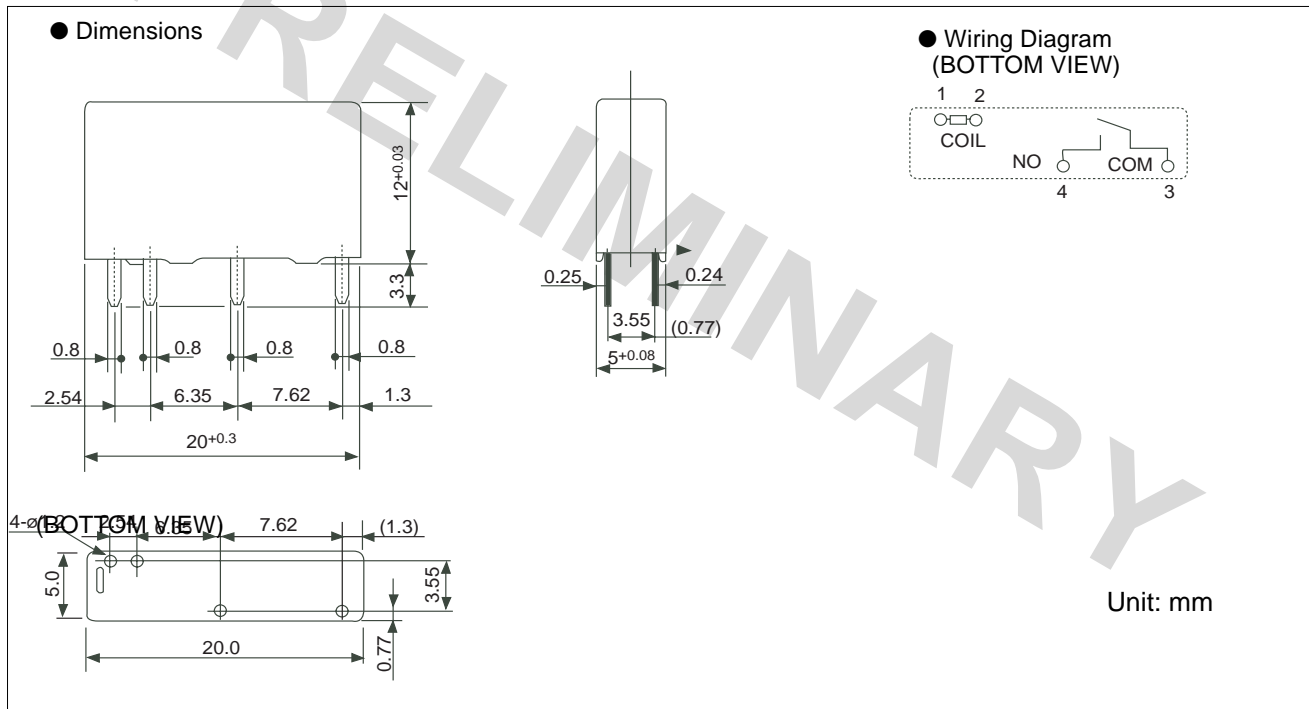
FTR-MY SERIES

■ COIL DATA CHART

MODEL	Nominal Voltage	Coil Resistance (± 10%)	Must Operate Voltage	Must Release Voltage	Nominal Power
FTR-MY Series					
FTR-MYAA4.5D	4.5 VDC	210 Ω	3.15 VDC	0.23 VDC	96 mW
FTR-MYAA005D	5 VDC	260 Ω	3.5 VDC	0.25 VDC	96 mW
FTR-MYAA006D	6 VDC	370 Ω	4.2 VDC	0.3 VDC	96 mW
FTR-MYAA009D	9 VDC	810 Ω	6.3 VDC	0.45 VDC	96 mW
FTR-MYAA012D	12 VDC	1,500 Ω	8.4 VDC	0.6 VDC	96 mW
FTR-MYAA018D	18 VDC	3, 370 Ω	12.6 VDC	0.9 VDC	96 mW
FTR-MYAA024D	24 VDC	6,000 Ω	16.8 VDC	1.2 VDC	96 mW

Note: All values in the table are measured at 20°C.

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