

POWER RELAY

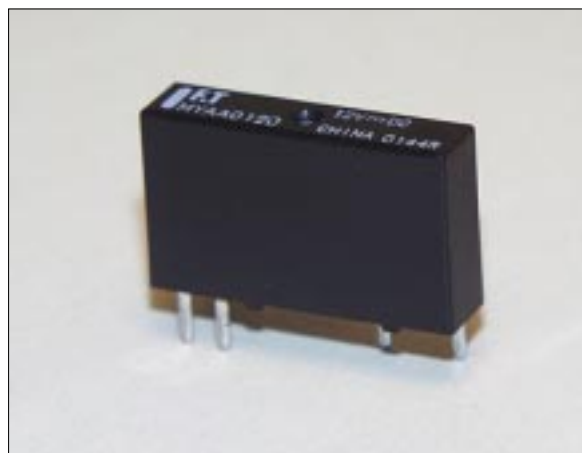
1 POLE - 5A SLIM POWER RELAY

FTR-MY Series

RoHS Compliant

■ FEATURES

- Width 5mm, height 12mm, area 100 mm², super slim , low power, compact and light weight 2.5gr.
- Nominal power: 110mW, Operate power: 54mW
High sensitive
- High reliability, bifurcated gold overlay silver alloy
- Dielectric strength: 3000VAC
- Surge strength: 5080V
- SAFETY STANDARDS
UL, CSA, IEC1131 compatability
- RoHS Compliant since production



■ 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 : 110 mW
(d)	Coil Nominal Voltage	4.5 : 4.5VDC 012 : 12 VDC 005 : 5 VDC 018 : 18 VDC 006 : 6 VDC 024 : 24 VDC 009 : 9 VDC
(e)	Contact Material	D : Gold overlay Silver alloy
(f)	Custom Designation	Special Number

Note: The designation name is stamped on the top of the relay case as follows:
Example.: Ordering code: FTR-MYAA012D Actual marking: MYAA012D

FTR-MY SERIES

■ SPECIFICATIONS

Item		FTR-MY Series	
Contact	Arrangement	1 Form A	
	Material	Gold overlaid silver alloy	
	Resistance (initial)	Maximum 30mΩ (at 1A 6VDC)	
	Rating (resistive)	250VAC / 30VDC, 5A	
	Maximum Carrying Current	5A	
	Maximum Switching Rating	1250VA / 150W	
	Maximum Switching Voltage	277VAC, 125 VDC	
	Maximum Switching Current	5A	
	Minimum Switching Load *1	5 VDC, 1 mA	
Coil	Nominal Power (at 20° C)	110 mW	
	Operate Power (at 20° C)	54 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	3,000 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 2.5g	

*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.

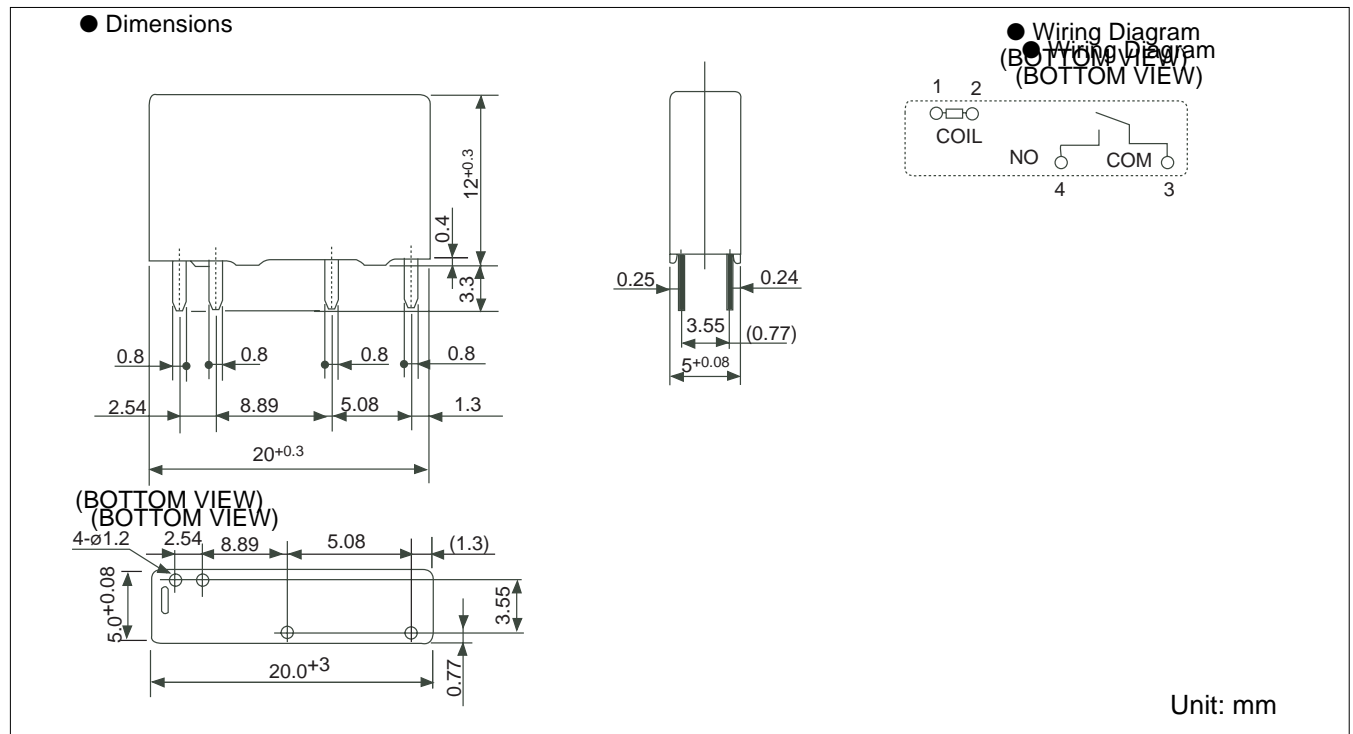
FTR-MY SERIES

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	185 Ω	3.15 VDC	0.225 VDC	110 mW
FTR-MYAA005D	5 VDC	230 Ω	3.5 VDC	0.25 VDC	110 mW
FTR-MYAA006D	6 VDC	330 Ω	4.2 VDC	0.3 VDC	110 mW
FTR-MYAA009D	9 VDC	740 Ω	6.3 VDC	0.45 VDC	110 mW
FTR-MYAA012D	12 VDC	1,310 Ω	8.4 VDC	0.6 VDC	110 mW
FTR-MYAA018D	18 VDC	2,950 Ω	12.6 VDC	0.9 VDC	110 mW
FTR-MYAA024D	24 VDC	5,240 Ω	16.8 VDC	1.2 VDC	110 mW

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

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