

POWER RELAY

1 POLE - 3A SLIM TYPE RELAY

FTR-F6 Series

■ DIMENSIONS

See attached drawing

■ ORDERING INFORMATION

Part Number : FTR-F6 AA ()Z



■ COIL DATA

- Nominal voltage : 5VDC to 24 VDC (refer to Table-1)
- Coil resistance : Refer to Table-1
- Operate voltage : Refer to Table-1
- Release voltage : Refer to Table-1
- Coil temperature rise : Approximately 25K at 20°C, nominal voltage and non-carrying current on contact.
- Temperature range : -40°C to +90°C at nominal voltage and non-carrying current on contact
- Allowable coil voltage : Refer to Table-1. Non-carrying current on contact
- Nominal power consumption : 0.2 W at 20°C

■ CONTACT DATA

- Contact arrangement : 1 Form A (SPST)
- Contact material : Silver-alloy (gold plate)
- Contact ratings : 5 A at 30 VDC or 250V AC, resistive
- Carrying current : Maximum 5 A
- Contact resistance : Maximum 30 m Ω (initial value)
- Electrical life : 100,000 operation at rated load
- Mechanical life : 20,000,000 operations

FTR-F6 SERIES

■ GENERAL DATA

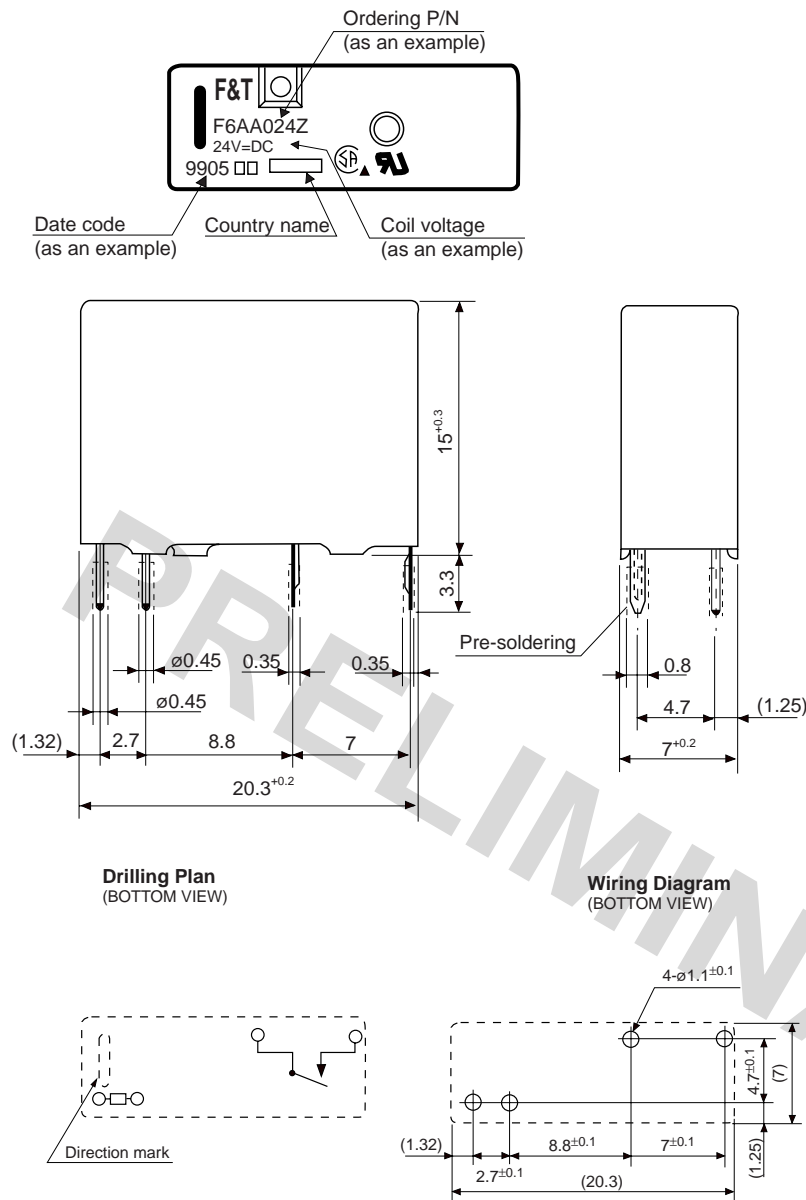
- Standard test conditions : Ambient temperature at $20 \pm 15^{\circ}\text{C}$
Relative humidity at $65 \pm 15\%$
- Insulation resistance : 1000 M Ω at 500 VDC, between all conductors
- Dielectric strength : 750 VAC between open contacts
4000 VAC between coil and contacts
(at 50/60 Hz. for 1 min.)
- Surge Strength : 10, 000V / 1.2 x 50 μs between coil and contacts
- Operate time : Maximum 10ms at 20°C , nominal voltage (not including bounce)
- Release time : Maximum 10 ms at 20°C , nominal voltage (not including bounce)

Table 1: at 20°C

Ordering Part Number	ITEM				
	VDC	$\Omega \pm 10\%$	VDC	VDC	VDC
FTR-F6AA005Z	5	125	3.2	0.5	12.0
FTR-F6AA006Z	6	180	3.9	0.6	14.4
FTR-F6AA009Z	9	405	5.8	0.9	21.6
FTR-F6AA012Z	12	720	7.7	1.2	28.8
FTR-F6AA018Z	18	1620	11.5	1.8	43.2
FTR-F6AA024Z	24	2880	15.4	2.4	57.6

FTR-F6 SERIES

■ DIMENSIONS



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