

SOLID STATE RELAY

1 Maximum Load current 1A

FTR - SL SERIES

■ FEATURES

- Ultra slim and light weight, SIL terminal type
 - size: 5.0 (W) x 28.0 (L) x 15.0 (H): 140mm mounting area
 - weight: approximately 4.0g
- Internal varistor and snubber circuit
- High insulation (between input and output) - dielectric strength 2500Vrms
- Include a zero cross circuit as standard equipment
- High frequency switching, long life and maintenance free
- High impact/vibration resistance, good for automatic assembly, washable



■ ORDERING INFORMATION

[Example] FTR-SL P K 024 W
 (a) (b) (c) (d) (e)

(a)	Series Name	FTR-SL : FTR-SL Series			
(b)	Load Voltage	P	: AC type		
(c)	Input or Output Type	K	: Output type		
(d)	Nominal Voltage	005	: 5 VDC		
		012	: 12 VDC		
		024	: 24VDC		
		060	: 60 VDC		
(e)	Zero Cross Circuit Output Protection	W	: With Zero Cross Circuit and Varistor		

Note: The part number on the relay cover does not include 'FTR'

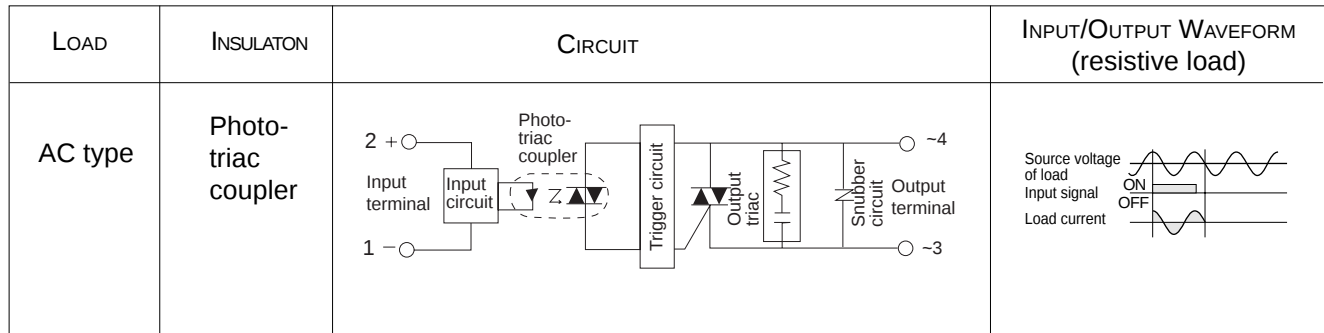
Example: Ordering part number: FTR-SL-PK012W
 Stamped part number: SLPK012W

FTR-SL SERIES

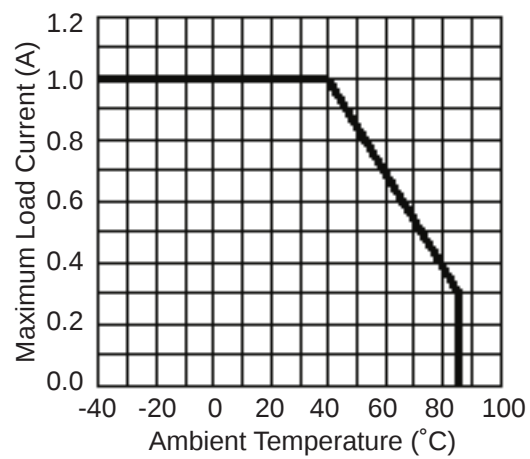
■ SPECIFICATION

Item		FTR-SLPK005W	FTR-SLPK012W	FTR-SLPK024W	FTR-SLPK060W
Input side	Nominal Voltage	5 VDC	12 VDC	24 VDC	60 VDC
	Operate Range	3.75 to 6 VDC	9 to 14.4 VDC	18 to 28.8 VDC	48 to 66 VDC
	Must operate voltage	3.75 VDC	9.0 VDC	18 VDC	48 VDC
	Must release voltage	1.25 VDC	3.6 VDC	8.4 VDC	18 VDC
	Input Impedance	560Ω ±10%	1.3KΩ ±10%	2.4KΩ ±10%	10KΩ ±10%
Output side	Load voltage range	24 to 250 AC Vrms			
	Max. load current	1 Arms			
	1 cycle surge current	50 A (60 Hz, 1 cycle)			
	max. off-state leakage current	max. 1 mArms (60Hz, 220 AC Vrms)			
	max. on-state voltage drop	max. 1.3 V (1Arms, 50Hz)			
Temperature	Storage temperature range	-40 to +100° C (no frost)			
	Operating temperature range	-30 to +85° C (no frost)			
Time	Max. operating time	max. 1/2 cycle + 1ms			
	Max. release time	max. 1/2 cycle + 1ms			
Insulation	Insulation resistance	min. 1000M (at 500 VDC)			
	Dielectric strength	min. 2500 Vrms (1 minute)			
Output protection		Snubber circuit and varistor			
Other	Case color	Black			
	weight	Approximately 4.0g			

■ BLOCK DIAGRAM

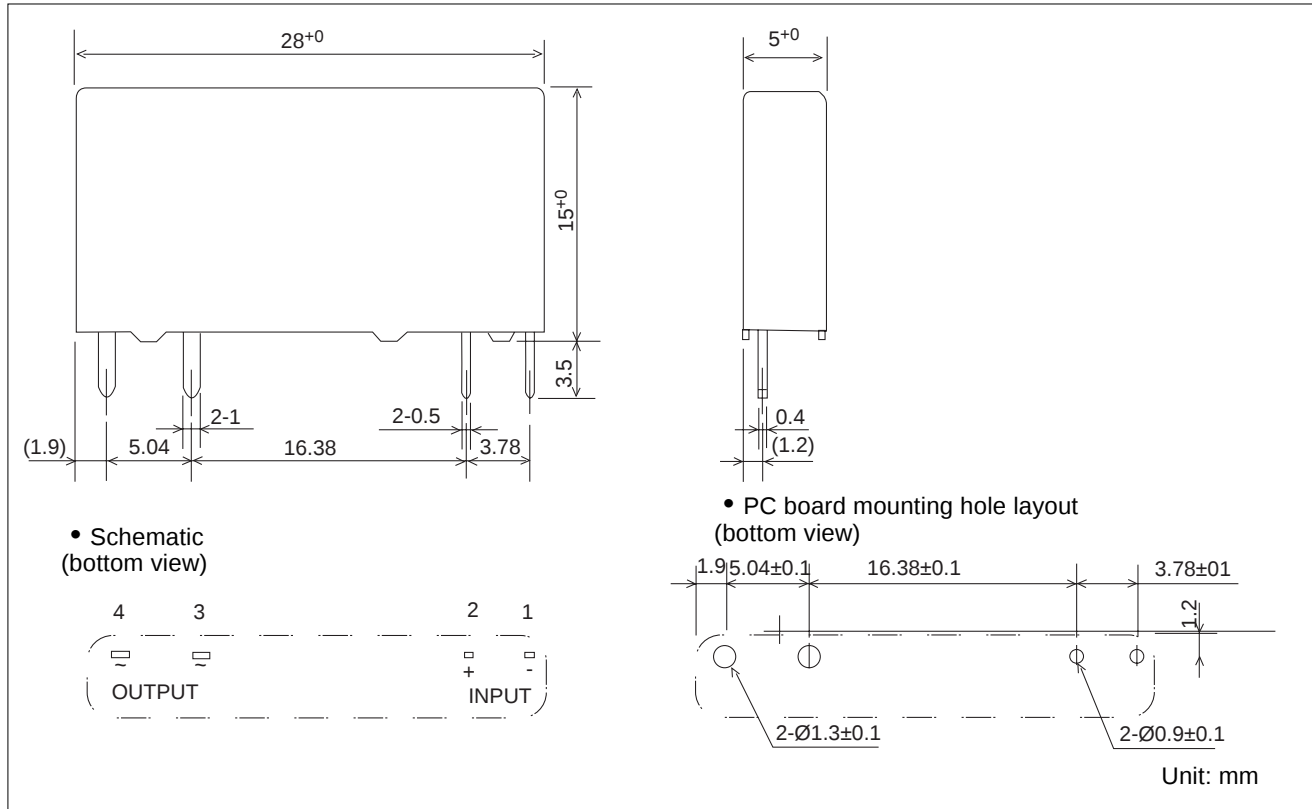


■ CHARACTERISTIC DATA



FTR-SL SERIES

DIMENSIONS



NOTES

Polarity of terminals are pre-determined. Please design your circuit accordingly.

PACKAGE

Style	Quantity/tube (pcs)	MOQ (pcs)
Tube	15	300

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