

POWER RELAY

1 POLE - 6A (Medium Load Control)

SLIM TYPE

FTR-LY Series

■ FEATURES

- Slim(15.0mm(h) x 5.0 mm(w) x 28.0mm (l))
- Mounting space: 140mm², weight: 5.0g
- High insulation in small package (between coil and contacts)
 - Insulation Distance: 8mm min.)
 - Dielectric strength: 4,000 VAC
 - Surge strength: 6,000V
- Plastic materials
 - UL94 flame class V-0
 - CTI>250 (UL CTI level class 2)
- UL, CSA, VDE, SEMKO under approval
 - UL: conforms to UL508, 1604
 - CSA: conforms to CSA22.2 No.14
 - SEMKO: conforms to EN61058-1, 61095
 - VDE: conforms to VDE 0435, 0631, 0700
- Contains no lead and features cadmium-free contacts



■ ORDERING INFORMATION

[Example] FTR-LY A A 005 Y
 (a) (b) (c) (d) (e)

(a)	Series Name	FTR-LY : FTR-LY Series			
(b)	Contact Arrangement	A	: 1 form A		
		C	: 1 form C		
(c)	Coil Type / Enclosure	A	: Standard / Plastic sealed		
(d)	Nominal Voltage	005	: 5 VDC,	006 : 6VDC,	
		012	: 12VDC,	024 : 24VDC,	048 : 48VDC
(e)	Contact Material	Y	: Silver alloy		
		V	: Gold plated silver alloy		

Actual marking does not carry the type name : "FTR"
 E.g.: Ordering code: FTR-LYAA012Y

Actual marking: LYAA012Y

FTR-LY SERIES

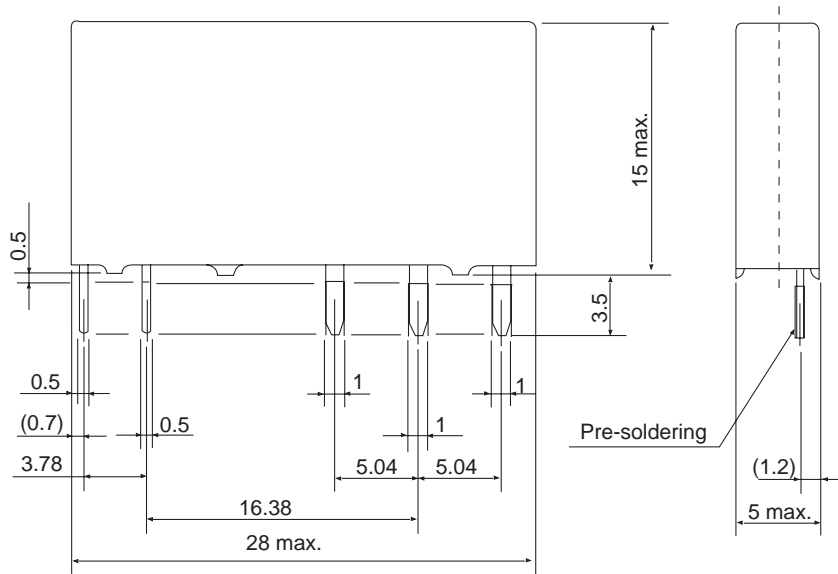
Item		FTR-LY	
Contact	Arrangement	1 form C / 1 form A	
	Material	Gold plated silver alloy, silver alloy	
	Style	Single	
	Resistance (initial)	Maximum 100m ohms	
	Rating	6A, 250VAC	
	Maximum Carrying Current	6A	
	Maximum Switching Power	1,500VA	
	Maximum Switching Voltage	250VAC	
	Minimum Switching Load*1	10mA 5VDC	
	Maximum Switching Current	6A	
Coil	Operating Temperature	-40° C to +85° C (no frost)	
	Rating Power	170mW	
	Must operate power	75mW	
Time Value	Operate Time (without diode)	Maximum 8ms (at nominal voltage, no bounce)	
	Release Time (without diode)	Maximum 4ms (at nominal voltage, no bounce)	
Insulation	Resistance (at 500VDC)	Minimum 1,000 Mohms	
	Dielectric Strength	Between open contacts	1,000 VAC 1 minute
		Between coil and contacts	4,000 VAC 1 minute
	Surge Strength	6,000V (at 1.2 x 50 micro sec.)	
Life	Mechanical	10 x 10 ⁶ operations minimum	
	Electrical	AC contact rating 60 x10 ³ ops. min. (N.O.) 30 x10 ³ ops. min. (N.C.)	
Other	Vibration Resistance	Misoperation	10 to 55 Hz, at double amplitude of 1.5mm
		Endurance	10-55 Hz, at double amplitude of 1.5mm
	Shock Resistance	Misoperation	Min. 100m/s ² (11±1ms)
		Endurance	Min. 1,000m/s ² (6±1ms)
	Weight	Approximately 5g	

FTR-LY SERIES

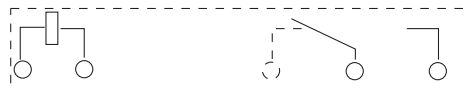
Model		Nominal Voltage	Coil Resistance (± 10%)	Must Operate Voltage	Must Release Voltage	Nominal Power
1 form A type	1 form C type					
FTR-LYAA005Y	FTR-LYCA005Y	5VDC	147 Ω	3.3VDC	0.25VDC	170mW
FTR-LYAA006Y	FTR-LYCA006Y	6VDC	212 Ω	4.0VDC	0.3VDC	170mW
FTR-LYAA012Y	FTR-LYCA012Y	12VDC	847 Ω	7.9VDC	1.6VDC	170mW
FTR-LYAA024Y	FTR-LYCA024Y	24VDC	3,388 Ω	15.9VDC	1.2VDC	170mW
FTR-LYAA048Y	FTR-LYCA048Y	48VDC	10,600 Ω	31.7VDC	2.4VDC	217mW

■ DIMENSIONS

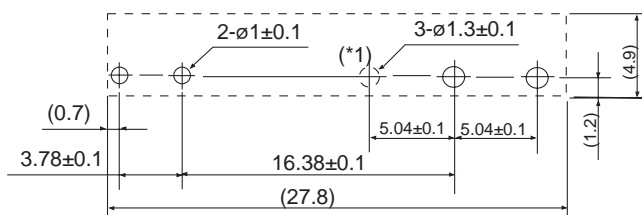
Thru hole type



● Drilling Plan (BOTTOM VIEW)



● Wiring Diagram (BOTTOM VIEW)



*1: This terminal is not applicable for 1 form A type

Fujitsu Components International Headquarter Offices

Japan

Fujitsu Component Limited
Gotanda-Chuo Building
3-5, Higashigotanda 2-chome, Shinagawa-ku
Tokyo 141, Japan
Tel: (81-3) 5449-7010
Fax: (81-3) 5449-2626
Email: promothq@ft.ed.fujitsu.com
Web: www.fcl.fujitsu.com

North and South America

Fujitsu Components America, Inc.
250 E. Caribbean Drive
Sunnyvale, CA 94089 U.S.A.
Tel: (1-408) 745-4900
Fax: (1-408) 745-4970
Email: marcom@fcai.fujitsu.com
Web: www.fcai.fujitsu.com

Europe

Fujitsu Components Europe B.V.
Diamantlaan 25
2132 WV Hoofddorp
Netherlands
Tel: (31-23) 5560910
Fax: (31-23) 5560950
Email: info@fceu.fujitsu.com
Web: www.fceu.fujitsu.com

Asia Pacific

Fujitsu Components Asia Ltd.
102E Pasir Panjang Road
#04-01 Citilink Warehouse Complex
Singapore 118529
Tel: (65) 375-8560
Fax: (65) 273-3021
Email: fcal@fcal.fujitsu.com
www.fcal.fujitsu.com

© 2002 Fujitsu Components America, Inc. All company and product names are trademarks or registered trademarks of their respective owners. Rev. 11/2002