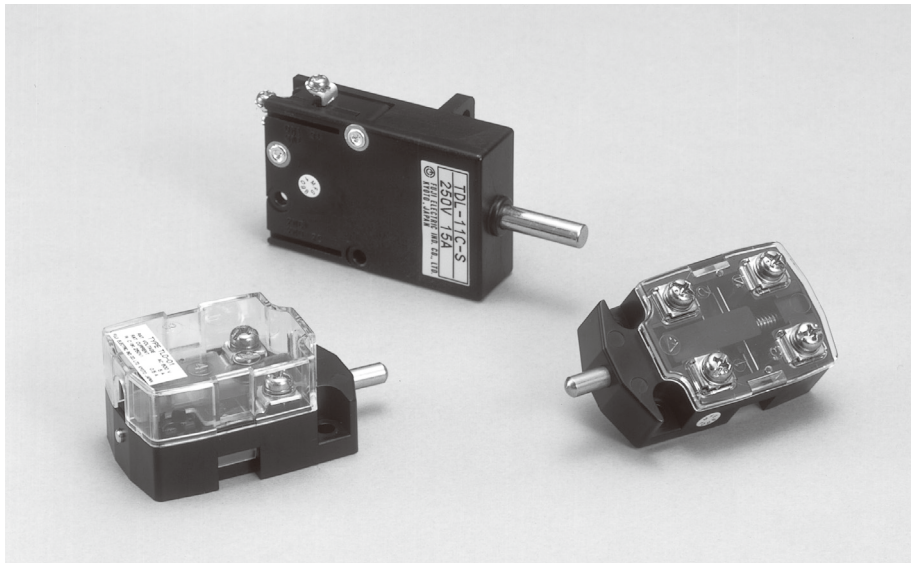# T TYPE

FEATURES

The TLC-W and TLD are applicable as a limit switch (TLC type) for a minute electric current circuit, the door switch (TLD type) for a fluorescent lamp circuit, and other diverse uses in order to ensure high reliability.

■**High reliability**

Twin contacts are used to ensure the opening / closing action. Dust-proof design of those contacts offers high reliability.

■**Simple structure and design**

A transparent cover is used to facilitate checking the inside.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Type / Specification	Door switch		Limit switch			
	TLD TYPE		**TLC-W TYPE**		**TDL TYPE**	
Rated insulation voltage (Ui)	600V AC / DC				250V AC / DC	
Rated current-carring capacity (Ith)	5A		10A		16A	
Operating load	Contact 01, 10	7.0±1N (stroke: 6.5mm)	Contact 01, 10	7.0±1N (stroke: 6.5mm)	Contact 11C, 12C	5.0±1N (stroke: 20mm)
	Contact 11	7.0±1N (stroke: 6.5mm)	Contact 11	7.0±1N (stroke: 6.5mm)	Contact 11C	5.0±1N (stroke: 20mm)
Contact pressure	b contact: 2.0N, a contact: 3.5N		b contact: 2.0N, a contact: 3.5N		0.5N	
Full stroke	7mm				0mm	
Contact resistance	10mΩ max. (initial)				50mΩ max. (initial)	
Mechanical life	250,000 operations or more		10,000,000 operations or more		500,000 operations or more	
Electrical life	100,000 operations or more		1,000,000 operations or more		100,000 operations or more	
Withstand voltage — Between terminals	1 minute at 2,500V AC		1 minute at 2,500V AC		1 minute at 1,000V AC	
Withstand voltage — Between terminal and non-live metallic part	1 minute at 2,500V AC		1 minute at 2,500V AC		1 minute at 1,500V AC	
Withstand voltage — Between terminal and ground	1 minute at 2,500V AC		1 minute at 2,500V AC		1 minute at 2,500V AC	
Contact	110V AC, 2A 110V DC, 1A (inductive load)		24V DC, 6A (resistance load)		250V AC, 15A 125V DC, 0.6A (resistance load)	

STANDARD PRODUCTS

Door switch

TLD TYPE
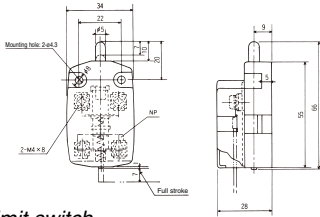
PRODUCT CODING
TLD-01

Basic type

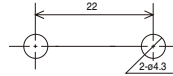|	Contact	
Code	**Contact**	
10	1a	
01	1b	
11	1a1b	

a : Normal open
b : Normal close

Limit switch

TLC-W TYPE
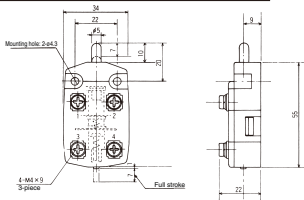
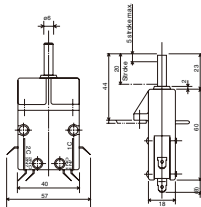Mounting hole size

PRODUCT CODING
TLC-W-10

Basic type

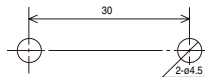|	Contact	
Code	**Contact**	
10	1a	
01	1b	
11	1a1b	

a : Normal open
b : Normal close

Limit switch

TDL TYPE

Mounting hole size

PRODUCT CODING

**No. of microswitches** **Microswitch mounting position**

TDL-11C

Basic type

	Contact details	
Code	**Description of microswitch mounting position**	
11C	1 microswitch for 1 NC	
12C	1 microswitch for 2 NC	
22C	2 microswitches	

For microswitch with screw
terminals, designate TDL-○○○-S.

※ The terminals are Faston #187 series (0.5 to 2.27 mm²).
For the applicable receptacles, see P. 290.

CONTACT STRUCTURE
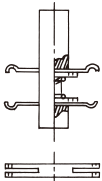
	Contact surfase
TLD	Silver plated
TLC-W	Gold plated (30μ) silver contact

TLD type	TLC-W type	TDL type
Terminal symbol	**Terminal symbol**	**Terminal symbol**
Contact action (stroke)	**Contact action (stroke)**	**Contact action (stroke)**
Contact close ■ Contact open □	Contact close ■ Contact open □	Contact close ■ Contact open □