

DATE : 2003. 05. 28

MODEL	SLIDE DIP SWITCHES SPECIFICATIONS.	CUSTOMER	
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1. TEST CONDITION : Standard test condition shall be 5~35℃ in temperature and 45~85%RH. in humidity should any daubt arise in judgement, tests shall be conducted at 20±2℃ and 65±5%RH.

2. PRACTICAL TEMPERATURE RANGE : -20 ~ +70℃

3. RATINGS : 0.5 A, 12 VDC (with load resistance)

4. ELECTRICAL PERFORMANCE

- 4-1 Contact resistance : 30 mΩ Max
 4-2 Insulation resistance : 10,000 MΩ at 500 VDC for 1 Minute.
 4-3 Withstanding voltage : AC 500 V for 1 Minute.
 4-4 Exchanging time : Non Shorting.

5. MECHANICAL PERFORMANCE

- 5-1 Operating force : 100 ~ 700 ± _____ gf.
 5-2 Terminal strength : 100 gf for 30 sec.
 5-3 Stopper strength : 1.0 Kgf for 10 sec.
 5-4 Lever throw or Stroke : _____ ± _____ ° or 1.5 ± 0.2 mm
 5-5 Insulator : NYLON# 66
 5-6 Terminal : BRASS , GOLD Plated.

6. DURABILITY

	Property	Test condition	Performance
6-1	Operating Life (without load)	<u>3,000</u> Cycles operations at a rate of 15~20cycle / min without load.	·Contact resistance (4-1) :MAX <u>100</u> MΩ. ·Insulation resistance (4-2) : More than 10 MΩ.
6-2	Operating Life (with load)	<u>3,000</u> Cycles operations at a rate of 15~20cycle / minute with a load of <u>0.5</u> A <u>12</u> V DC.	·Withstand voltage (4-3) : <u>500</u> VAC 1 minute. Not breaking insulation. ·Operating force (5-1) :+10、-30% of specification.

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7. WEATHER PROOF

	Property	Test condition	Performance
7-1	Cold Proof	When measured within 1 hour afte remaining switch for <u>48</u> hours at <u>-20± 2℃</u>	·Contact resistance (4-1) :MAX <u>80</u> MΩ. ·Insulation resistance (4-2) : More than <u>10</u> MΩ.
7-2	Hot Proof	When measured within 1 hour afte remaining switch for <u>48</u> hours at <u>85± 2℃</u>	·Withstand voltage (4-3) : <u>500</u> VAC 1 minute. Not breaking insulation.
7-2	Humidity	When measured within 1 hour afte remaining switch for <u>96</u> hours at <u>40± 2℃</u> and <u>90 ~ 95 %</u> RH.	·Operating force (5-1) :within +10, -30% of specification.

8. SOLDER CONDITION

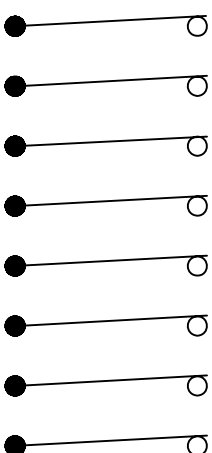
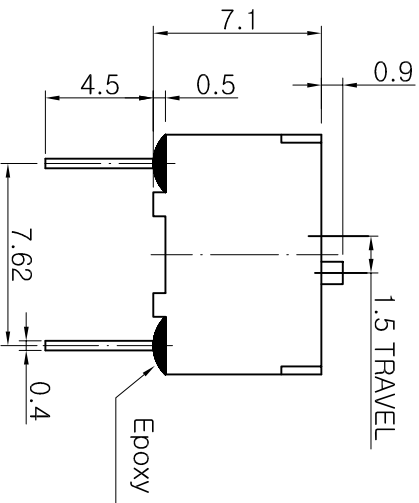
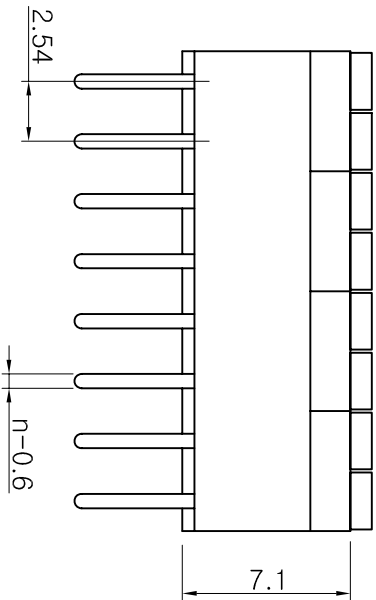
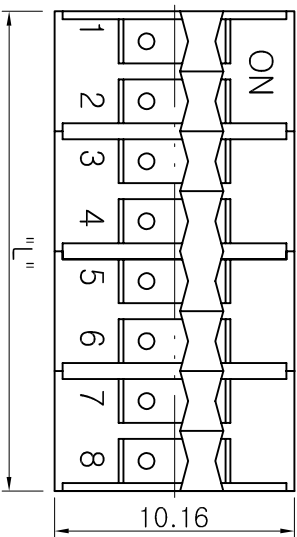
8-1. 5 sec at 250 ± 5℃

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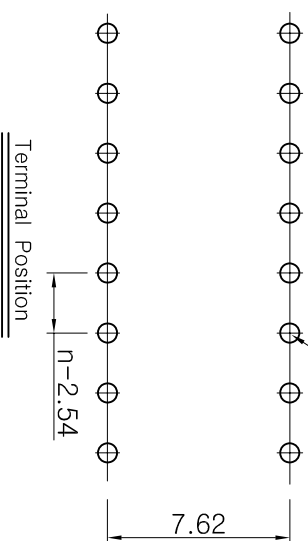
CHECKED

APPROVAL



CIRCUIT

n-Ø0.8Hole



Terminal Position

(mm)

IDB - ☐

Name of Series.

Poles

01
02
03
04
05
06

07
08
09
10
11
12

Terminal Plating

G: Gold

L: 0.9

Actuator

L: 0.9

Sealing

S: Sealing

POLE	"L" DIMENSION
01	3.2
02	5.0
03	8.2
04	10.1
05	13.3
06	15.2
07	18.4
08	20.2
10	25.3
12	30.4

DRAWING BY		MODEL NAME	SLIDE DIP SWITCHES
CHECKED BY		PART NAME	IDB
APPROVED BY		DATE	MAY. 28. 2003.

ILOSAM ELECTRONICS CO., LTD