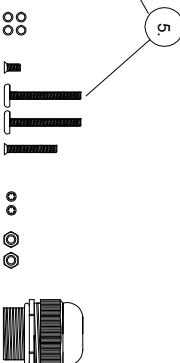
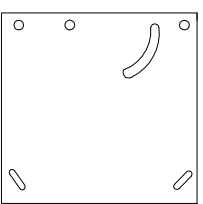
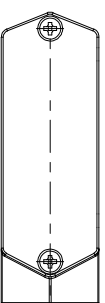
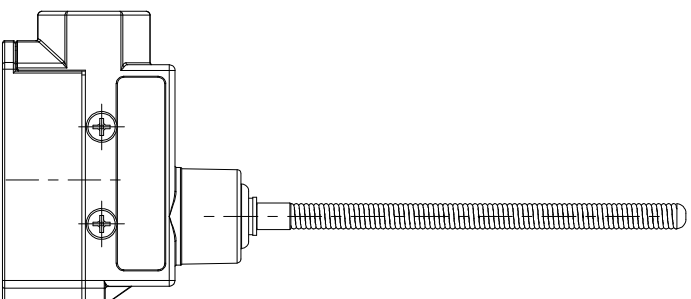
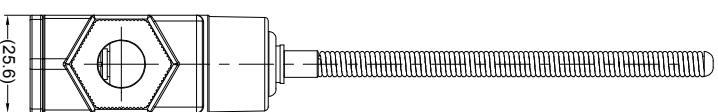
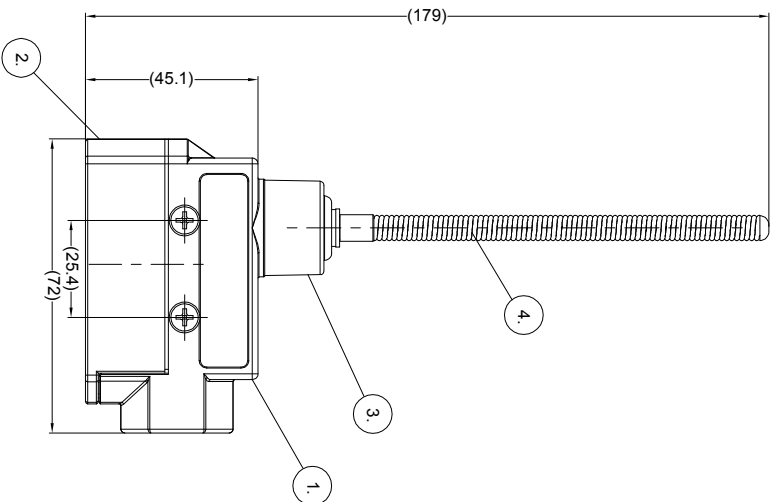


Revision Notes:

Drawn:- Checked:- Approved:- Date:-



SPECIFICATION:

1. MICRO-SWITCH: SINGLE POLE-DOUBLE THROW
2. WORKING VOLTAGE RANGE: 12 TO 80 VOLTS
3. RATED CONTACT LOAD:
  - MAXIMUM 10 AMPERES AT 12 VOLTS
  - MAXIMUM 8 AMPERES AT 24 VOLTS
  - MAXIMUM 2 AMPERES AT 48 VOLTS
  - MAXIMUM 1 AMPERE AT 80 VOLTS
4. MECHANICAL DURABILITY: TO BE FREE OF ABNORMALITY OPERATED FOR 100 THOUSAND TIMES WITH SWITCHING FREQUENCY OF 20 CYCLES PER MINUTE FOR RIGHT-LEFT AND FORWARD-BACKWARD.
5. ELECTRICAL DURABILITY: TO BE FREE OF ABNORMALITY OPERATED FOR 100 THOUSAND TIMES WITH SWITCHING FREQUENCY OF 20 CYCLES PER MINUTE WITH RATED LOAD.
6. INSULATING RESISTANCE: 100MΩ OR ABOVE (AS MEASURED BY DC500V INSULATING METER).
7. EXTREME VOLTAGE TEST: TO BE FREE OF ABNORMALITY AFTER BEING SUBJECTED TO AC2000 VOLTS FOR ONE MINUTE BETWEEN ANY TERMINALS AND CASE.
8. CONTACT IMPEDANCE(INITIAL): LESS THAN 50mΩ.
9. VIBRATION: VIBRATE TEST AT 10G IN ACCORDANCE WITH SAE (WORKING SITUATION SUBJECT TO SAE).
10. IMPACT STRENGTH: 300m/s<sup>2</sup> OR ABOVE WITH ACTUATOR.
11. WATERPROOF: TO BE FREE OF ABNORMALITY AFTER HIGH PRESSURE WATER TEST PER SAE J994.
12. CORROSION TEST: TO BE FREE OF ABNORMALITY AFTER SALT SPRAY TEST PER ASTM B117 FOR 50 HOURS.
13. MAXIMAL SWITCHING FREQUENCY: 20 CYCLES PER MINUTE.
14. WORKING TEMPERATURE RANGE: -25°C TO +80°C (WITHOUT FREEZING AND DEW).
15. ENDURANCE TEST AT LOW TEMPERATURE: FOUR HOURS AT -25°C AT THE EXTREME LOW SYSTEM VOLTAGE.
16. ENDURANCE TEST AT HIGH TEMPERATURE: FOUR HOURS AT 85°C AT THE EXTREME HIGH SYSTEM VOLTAGE.
17. SWITCH OPERATING CHARACTERISTICS:
  - OPERATING STRENGTH: 4.5N FOR RANDOM ORIENTATION
  - OPERATING ANGLE: 15 ± 5 DEGREES FOR RANDOM ORIENTATION
  - STROKE: 0.8mm

PARTS LIST:

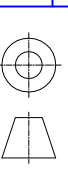
PART NO.:	QUANTITY
CONNECTOR ASSEMBLY	1
M4 SCREW *25	2
M3 SCREW *6	1
M3 SCREW *25	1
NUT FOR M4	2
O RING	4
BRACKET	1
TOOTHED LOCK WASHER	2

CONNECTOR ASSEMBLY CONTENTS

PART NAME:	PART NUMBER:	QUANTITY:	MATERIAL:
1 CABINET UPPER	TS87/0160003	1	ZINC ALLOY
2 CABINET LOWER	TS87/0160004	1	ZINC ALLOY
3 WATERPROOF COVER	TS87/0160005	1	CR
4 SPRING POLE	TS87/0160016	1	SUS304
5 MISC FIXINGS		1	

Assembly Pl Approval  
K.IIDA - 5/2/13

Angle of Projection



Third Angle

Approved by  
S.MATTHEWS

Checked by  
GPLTH

Released  
06/2/13

Scale  
N/A

Units  
mm

Status  
Released

Part No  
0153

Drawn by  
RBATES

Assembly Ref  
-

**BRIGADE**

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SW-16

BE-002253-00-12

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