

SPECIFICATIONS

- DPDS limit switch for multiple applications.
- Rugged aluminum alloy diecast housing.
- High mechanical strength.
- Oil resistance, waterproof and dust proof structure.

RATINGS

Rated Voltage (V)	Non-inductive load(A)				Inductive load(A)			
	Resistive load		Lamp load		Inductive load		Motor load	
	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	5 (0.1)		1.5	0.7	3		2.5	1.3
250VAC	3		1	0.5	2		1.5	0.8
8VDC	5 (0.1)		2		5	4	3	
14VDC	5 (0.1)		2		4	4	3	
30VDC	4 (0.1)		2		3	3	3	
125VDC	0.4		0.05		0.4		0.05	
250VDC	0.2		0.03		0.2		0.03	

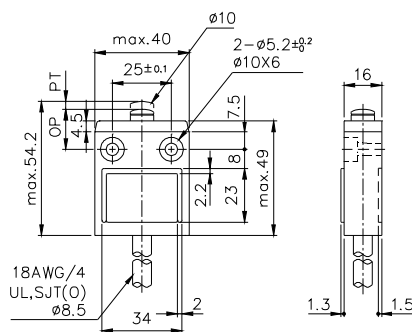
OPERATION CHARACTERISTICS

Type	TZ-3101	TZ-3102	TZ-3103	TZ-3104	TZ-3110
OF Max.	1,200gf(11.77N)	1,200gf(11.77N)	1,200gf(11.77N)	580gf(5.69N)	1,200gf(11.77N)
RF Min.	450gf(4.41N)	450gf(4.41N)	450gf(4.41N)	150gf(1.47N)	450gf(4.41N)
PT Max.	1.8mm	1.8mm	1.8mm	25°	1.8mm
OT Min.	3mm	3mm	3mm	40°	3mm
MD Max.	0.2mm	0.2mm	0.2mm	3°	0.2mm
OP	15.7±1mm	28.5±1mm	28.5±1mm	—	28.5±1mm

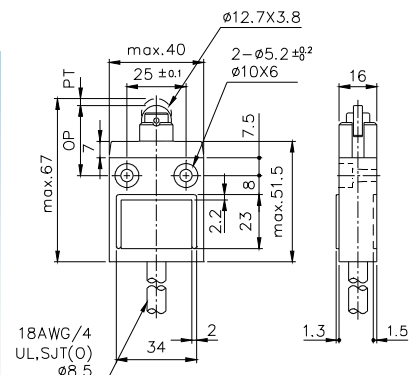
Type	TZ-3111	TZ-3112	TZ-3113	TZ-3166	TZ-3169
OF Max.	1,800gf(17.65N)	1,800gf(17.65N)	1,800gf(17.65N)	150gf(1.47N)	150gf(1.47N)
RF Min.	450gf(4.41N)	450gf(4.41N)	450gf(4.41N)	—	—
PT Max.	1.8mm	1.8mm	1.8mm	15°	15°
OT Min.	3mm	3mm	3mm	—	—
MD Max.	0.2mm	0.2mm	0.2mm	—	—
OP	24.9±1mm	34.3±1mm	34.3±1mm	—	—

DIMENSIONS

TZ-3101

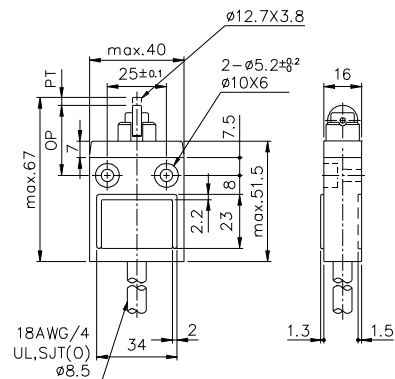


TZ-3102

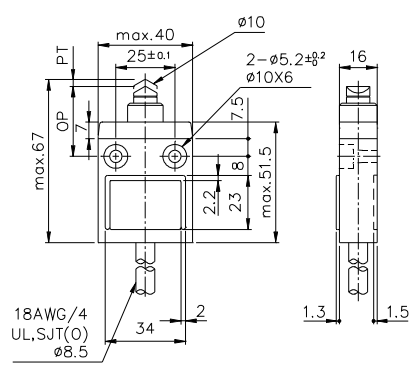


DIMENSIONS

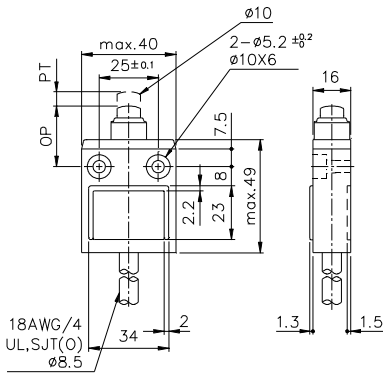
TZ-3103



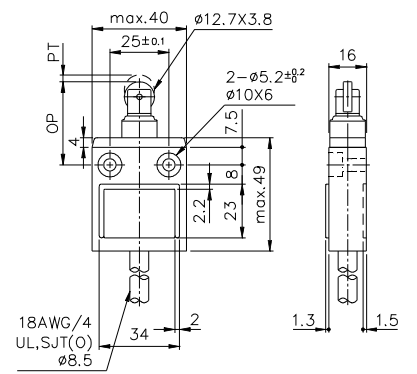
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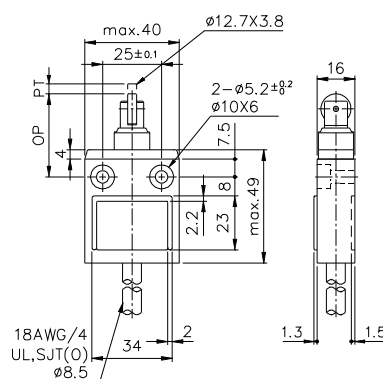
TZ-3111



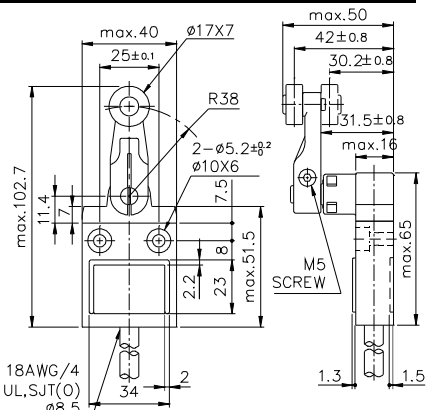
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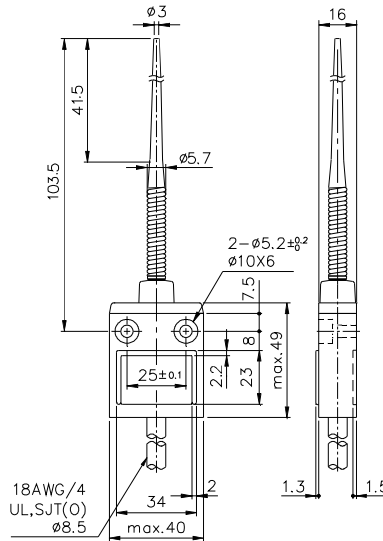
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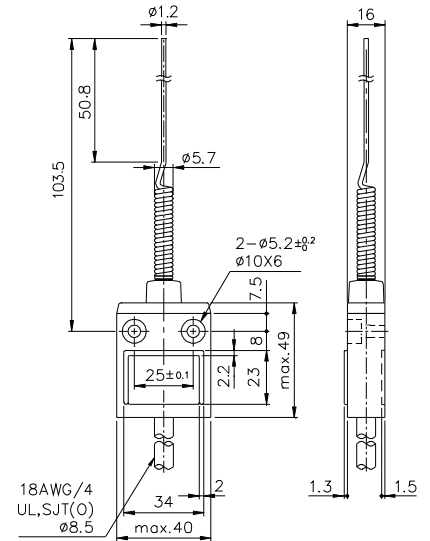
TZ-3104



TZ-3166

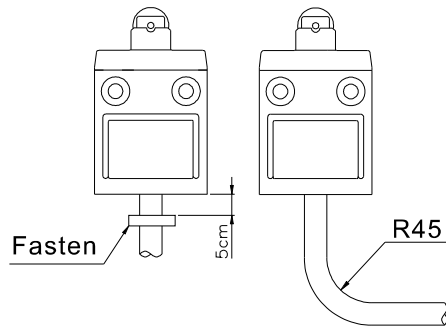


TZ-3169



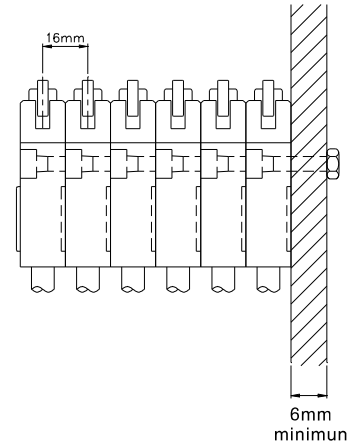
FASTENING OF THE SWITCH CABLE

The switch bodies are filled with resin for sealing purposes. To avoid stressing the cable and switch body, fasten the cable at 5cm or farther away from the switch body, should the wire be bent, the bending radius shall be least 45mm.



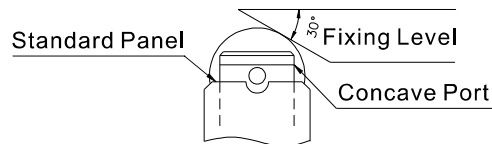
SWITCH BANK MOUNTING

A maximum of six switches may be mounted together as a switch bank. During the installation, the convex part of the switch back. The mounting panel shall be 6mm or thicker.



INSTALLATION

The service life and accuracy of switches will be effected by the shape of actuator operation frequency & over travel. So the angular of the fixing level should be about 30° , the surface finish of the fixing level should be over $\nabla \nabla \nabla$, the hard hardness is from hv400~500. When installing, the position of the concave part should be above the standard panel.

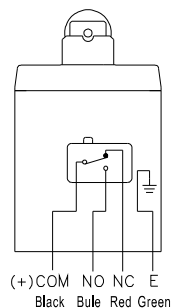


MOUNTING

Reccmended tightening torque according to the following form.

Model	Screw Type	Torque
1	M5 fastening screws	4.9~5.88N.m (50~60kgf.cm)
2	M3.5 installing screws	0.78~0.88N.m (8~9kgf.cm)

CONTACT TYPES



MOUNTING HOLES

mount the switch body to a rigid mounting panel using two m5 screws.

