Panel-mount Splash-proof Toggle

25A · 20A · 15A | Solder Lug, Screw, Quick Connect terminals

1P 2P

Common Specifitaions

■ Ratings ※Number of designating terminal shall be inserted within below stated □.

Voltage \ Symbol	0□	1□	2□	Type of Load	Remarks
AC125V AC250V	25A	20A	15A	Resistive	Resistive load is the load that contains only resistive element and its Power Factor (PF) is 1.
DC30V	25A	20A	15A		
AC125V	10A	8A	8A	Inductive (PF: 0.6)	The LR (coil/resistor) load that contains both resistive and inductive elements.
AC100V	In-rush current 100A MAX	In-rush current 70A MAX	In-rush current 40A MAX	Motor	The motor may experience an inrush current 3 to 8 times the steady-state current during startup, so please use a switch with a sufficient rating.

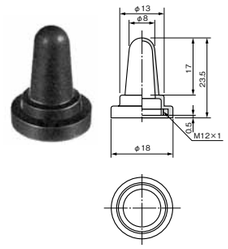
■ Main Specifications

Contact Resistance	Max. 10 mΩ (@DC2V 1A)
Dielectric Strength Voltage	AC1,500V 1 minute
Insulating Resistance	Min. 1000MΩ (@DC500V)
Electrical Life	20,000 cycles
Temperature Range for Operation	-20℃～+70℃
Temperature Range for Storage	-20℃～+70℃
Hand Soldering Conditions	350 +/- 3 degC within 3 second

Numbers per package	
SP・2P	100 pcs
3P・4P	50 pcs

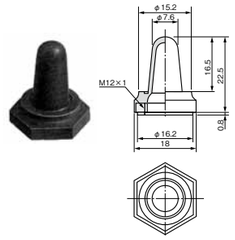
■ Splash-proof Boot and Other Parts (Splash-proof property can be obtained even without these boots.)

Circular Splash-proof Boot



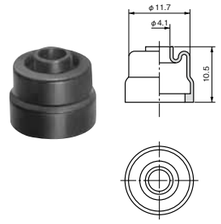
Materials	Color	Type Name
Chloroprene Rubber	Black	6047-1481

Hexagonal Splash-proof Boot



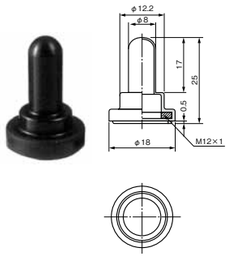
Materials	Color	Type Name
Chloroprene Rubber	Black	6047-0860

Ciccular Dust-tight Cover



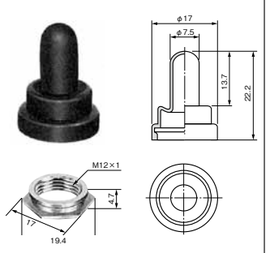
Materials	Color	Type Name
Chloroprene Rubber	Black	6047-8619

Can be directly attached to the sleeve.
(It is also OK for the sleeve with a M12 nut.)



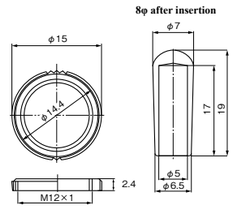
Materials	Color	Type Name
Silicone Rubber	Black	6047-5967
	Red	6047-6414
Chloroprene Rubber	Black	6047-5949
Ethylene-propylene Rubber	Black	6047-6170

Splash-proof Boot/ Nut



Materials	Color	Type Name
Chloroprene Rubber	Black	6047-2568

Other Parts



Round Nut for Bushing

Type Name
9801-0134

Boot

Color	Type Name
Yellow	6247-6795
Blue	6247-6446
Red	6247-6445
Light Blue	6247-7223
Green	6247-7086
Yellow	6247-7105

※Regarding customized products, please inquire us.

Splash-proof Toggle
AW Series

Panel-mount Splash-proof Toggle

25A · 20A · 15A | Solder Lug, Screw, Quick Connect terminals

1P 2P

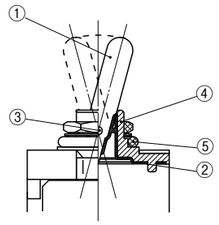
Splash-proof Toggle Type

Characteristics

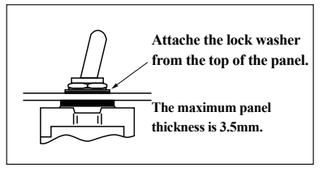
The AW series splash-proof toggle switches offer superior resistance to water intrusion compared to conventional O-ring type splash-proof switches. This is achieved by filling the gap between the bushing and lever with a single-piece molded durable rubber, providing enhanced protection against splashes.

Completely Seals Out Water Droplets into the inside of Panel

1. The gap between the knob and bushing is fully sealed with silicone rubber insert molding.
2. Stationary contacts utilize a metal insert method.
3. The bushing and case adopt a fully shielded design.



Regarding the attachments, only the downside nut is assembled onto the product, while the others are included separately in the package.



Symbol	Parts Name	Materials
①	Knob	Brass Bar
②	Splash-proof Rubber	Silicone Rubber (White)
③	Shaft	SUS
④	Bushing	Die-cast Zinc
⑤	O-ring	NBR

Product Designation

A W T A 2 1

Series Name

Symbol	Operational Part
T	Splash-proof Toggle

1P 3P	2P 4P	Citcuits		
A	K	ON	—	OFF
D	N	ON	—	ON
E	P	ON	OFF	ON
F	R	ON	—	〈ON〉
G	S	〈ON〉	OFF	〈ON〉
H	T	ON	OFF	〈ON〉

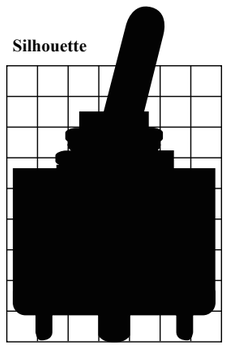
〈 〉 indicates Momentary

Symbol	Ratings
0	25A 125V 250V AC
1	20A 125V 250V AC
2	15A 125V 250V AC

Symbol	Terminals
1	Solder Lug
2	Screw
4	Quick Connect #187
5	Quick Coonect #250

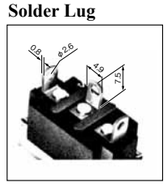
Screw terminals and Quick Connect #187 terminals are for 15A only, and Quick Connect #250 terminals are for 20 and 25A only.

Silhouette

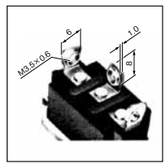


1P

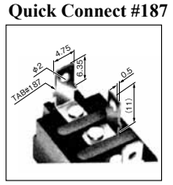
Solder Lug



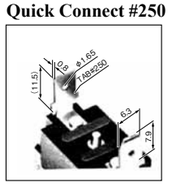
Screws



Quick Connect #187

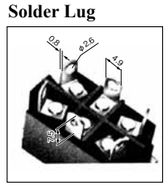


Quick Connect #250

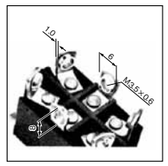


2P

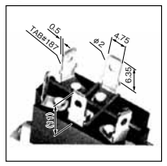
Solder Lug



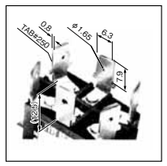
Screws



Quick Connect #187



Quick Connect #250



❖Inquire us about those except above and customized products.

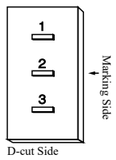
Panel-mount Splash-proof Toggle

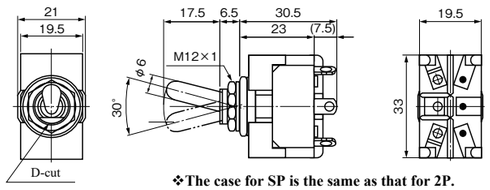
AW Series | **25A · 20A · 15A** | **Solder Lug, Screw, Quick Connect terminals** | **1P 2P**

SP

Type Name	Resistive Load AC 125V DC 250V 30V	Type Name	Resistive Load AC 125V DC 250V 30V	Type Name	Resistive Load AC 125V DC 250V 30V	Circuit	Position ( ) indicates momentary		
AWTA01	25A	AWTA11	20A	AWTA21	15A	**SPST**	ON 1-3	—	OFF
AWTD01	〃	AWTD11	〃	AWTD21	〃	**SPDT**	ON 2-3	—	ON 2-1
AWTE01	〃	AWTE11	〃	AWTE21	〃	〃	ON 2-3	OFF	ON 2-1
AWTF01	〃	AWTF11	〃	AWTF21	〃	〃	ON 2-3	—	〈ON〉2-1
AWTG01	〃	AWTG11	〃	AWTG21	〃	〃	〈ON〉2-3	OFF	〈ON〉2-1
AWTH01	〃	AWTH11	〃	AWTH21	〃	〃	ON 2-3	OFF	〈ON〉2-1

■Terminal-number diagram



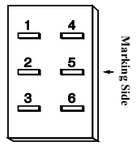


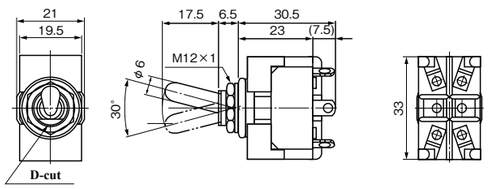
❖The case for SP is the same as that for 2P.

2P

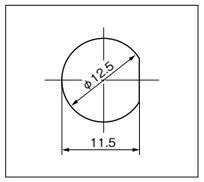
Type Name	Resistive Load AC 125V DC 250V 30V	Type Name	Resistive Load AC 125V DC 250V 30V	Type Name	Resistive Load AC 125V DC 250V 30V	Circuit	Position ( ) indicates momentary		
AWTK01	25A	AWTK11	20A	AWTK21	15A	**DPST**	ON 1-3 4-6	—	OFF
AWTN01	〃	AWTN11	〃	AWTN21	〃	**DPDT**	ON 2-3 5-6	—	ON 2-1 5-4
AWTP01	〃	AWTP11	〃	AWTP21	〃	〃	ON 2-3 5-6	OFF	ON 2-1 5-4
AWTR01	〃	AWTR11	〃	AWTR21	〃	〃	ON 2-3 5-6	—	〈ON〉2-1 5-4
AWTS01	〃	AWTS11	〃	AWTS21	〃	〃	〈ON〉2-3 5-6	OFF	〈ON〉2-1 5-4
AWTT01	〃	AWTT11	〃	AWTT21	〃	〃	ON 2-3 5-6	OFF	〈ON〉2-1 5-4

■Terminal -number diagram





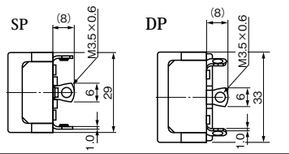
■Dimensions of Mounting Holes



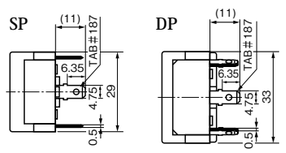
❖Tighten the nut with the torque at maximum 15Kg・cm.

■Terminals AWT□□■

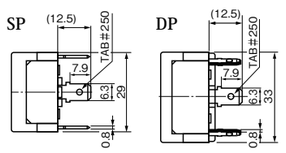
2 Screw Terminals (15A only)



4 Quick Connect #187 (15A only)



5 Quick Connect #250 (20·25A only)



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MEMO