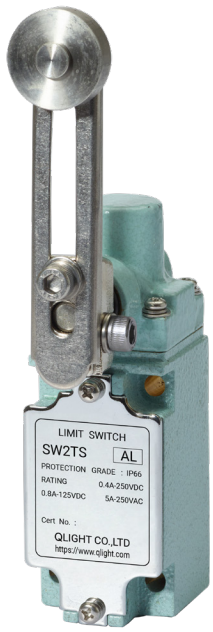
Heavy-Duty Limit Switch

SW2TS Series



PRODUCT SPECIFICATION

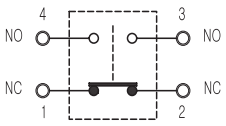
SW2TS Series

Materials Body, Head, Bolt & Nut, Roller, Spring Rod-Stainless Steel

Standard Housing color MUNSELL No. 7.5BG 7/2

- Robust structure featuring a body and head made of STS316L stainless steel, offering exceptional corrosion and salt resistance, ideally suited for marine and chemical gas environments
- Stable operational characteristics maintained even after prolonged use, achieved through our proprietary dual-return spring system
- Superior corrosion resistance demonstrated in harsh polar and offshore conditions by employing stainless steel (STS) external bolts, nuts, and components
- Reliable performance in extreme low-temperature environments ensured by cold-resistant micro switches, low-temperature grease, and silicone packing
- Heavy-duty specifications with identical mounting holes and external dimensions as standard switches
- Typical applications: Overhead cranes, large-scale conveyors, heavy industrial machinery
  Outdoor plant facilities, ship deck machinery, port cargo handling equipment
  Chemical plants with corrosive acidic or alkaline gases present
- Customizable low-temperature type (-40°C to +40°C) and high-temperature type (+50°C to +120°C) available upon request

Circuit & Electrical Rating



2CKT-DB(2 differential circuit pair)

- 10A - 125V
- 6A - 250V
- 0.8A - 125VDC
- 0.4A - 125VDC

※Please refer to [Ratings and Circuit Configuration] in this catalogue for the rated voltage of each load.

Specifications

Protection Grade		IP66
Mechanical Life		Over 2 million operations
lectrical Life		Over 0.2 million operations
Allowable Operating Cycle	**Mechanical**	120 Operations per minute max.
	Electrical	30 Operations per minute max.
Insulation Resistance		100MΩ min. at 500V DC
Initial Resistance		50MΩ max.
Dielectric Strength	**Between Non-continuous Terminal**	1,000VAC, 50 to 60Hz for 1 minute
	Between Each Terminal and Non-conducting Metal Part	2,000VAC, 50 to 60Hz for 1 minute
Shock Resistance	**Destruction**	Approx. 1,000m/s^2(100G)
	Malfunction	Approx. 250m/s^2(25G)
Vibration Resistance		10 to 55Hz 1.5mm double amplitude(Double Amplitude)
Allowable Operating Temperature Range		-10°C to +55°C -40°C to +40°C(Cold-Resistant Type) +50°C to +120°C(Heat-Resistant Type) -55°C to +65°C(Compliant with RMRS Standard)
Ambient Humidity Range		45 to 85% RH
Certificates		-

IP66 | +55℃ -10℃ | +40℃ -40℃ | +120℃ +50℃ | +65℃ -55℃

SW2TS Series Specifications

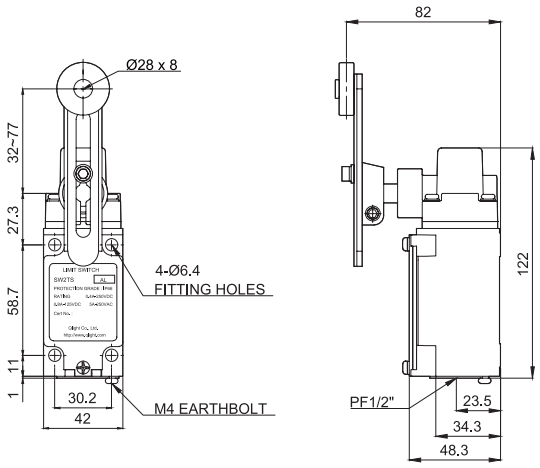
(Units: mm)

Appearance	Detailed Specifications	Technical Diagram

·SW2TS-AL
Adjustable Roller Lever



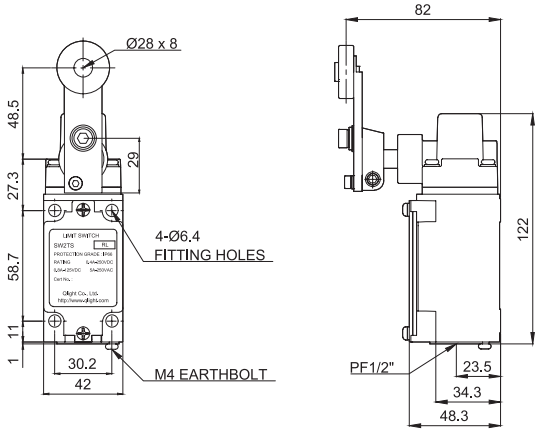
· Operating Characteristics	
OF max.g	1,380
RF min.g	260
PT	25° ±5°
MD max	10°
TT min	70°
· Weight	
SW2TS - AL	Abt. 0.98kg



·SW2TS-RL
Roller Lever



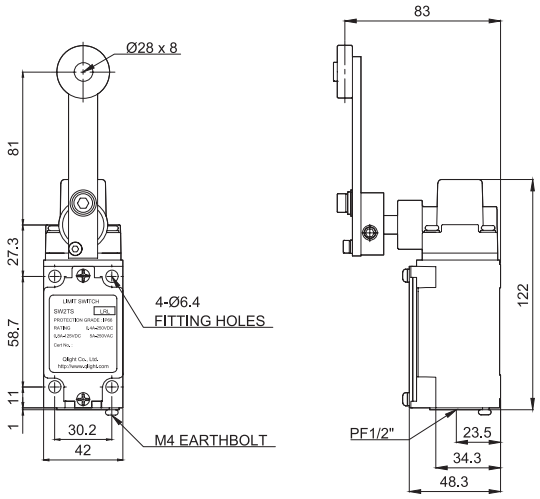
· Operating Characteristics	
OF max.g	1,300
RF min.g	260
PT	25° ±5°
MD max	10°
TT min	70°
· Weight	
SW2TS - RL	Abt. 0.97kg



·SW2TS-LRL
Large Roller Lever



· Operating Characteristics	
OF max.g	1,380
RF min.g	260
PT	25° ±5°
MD max	10°
TT min	70°
· Weight	
SW2TS - LRL	Abt. 0.99kg



Remarks & Caution

· The size allowance not indicated on the above is ±0.4mm.
· In case the product is installed outdoor or for water-proof usage, use water-proof connector or cable gland for cable entry.
· Keep the cable entry airtight by using water-proof cap in case it is contem-porary installed outdoor without using water-proof connector or cable gland.
· Power Entry Standard: PF1/2”