

# Ø 22/25 mm I/O Push Button Switches



## S2TR Series CATALOG





**For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.**








The specifications, dimensions, etc. are subject to change without notice for product improvement. Some Models may be discontinued without notice.

### Features

- Smooth operation
- High electrical conductivity
- Long-lasting durability

### Specifications

Series	S2TR Series
Actuation distance	5.0 to 5.5 mm
Actuation force	0.5 kgf (4.9 N) (per 1 contact)
Installation	Extended
Shock	300 m/s <sup>2</sup> (≈ 30 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s <sup>2</sup> (≈ 10 G) in each X, Y, Z direction for 3 times
Vibration	1.5 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours
Vibration (malfunction)	1.5 mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 10 minutes
Mechanical life cycle (control unit life cycle)	≥ 1 million operations (20 operations/min)
Ambient temperature	-15 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)
Protection structure	Control unit: IP50 (IEC standard)
Approval	CE    
Control unit weight	≈ 14.5 g
Housing weight	≈ 7 g

Contact blocks	
Power supply / current	110 VAC ~ / 10 A, 250 VAC ~ / 6 A
Dielectric strength	2,500 VAC ~ 50/60 Hz for 1 minute
Insulation resistance	≥ 1,000 MΩ (500 VDC ≡ megger)
Contact resistance	≤ 20 mΩ (initial)
Electrical life cycle	≥ 100,000 operations (20 operations/min)
Contact material	AgNi10
Approval	CE    
Weight	Modular type: ≈ 10 g, Singular type: ≈ 11 g
LED blocks	
Rated voltage	AC/DC voltage type: 12-24 VAC ~ 50/60 Hz, 12-24 VDC ≡ AC voltage type: 110-220 VAC ~ 50/60 Hz
Current consumption	≤ 20 mA
Approval	CE   
Weight	AC/DC voltage type: ≈ 11 g, AC voltage type: ≈ 12 g

### Sold Separately

- Contact blocks (SA□-C□□)
- LED blocks (SA□-L□□□)
- Switch enclosures (SA-□B□)
- Locking handle (SA□-LH)
- Switch washer (SA-SW□)

