

## SJ SERIES RELAY SOCKET

### TYPE SJ1S-05BS / SJ2S-05BS(Standard Screw Terminal)

No. ISC2000

Date. August.21, 2023

Approved by A.Matsumoto

Checked by K.Teraguchi

Written by T.Matsumoto

1. Applicable standard
  - IEC61984
  - EN61984
  - UL508 (UL Recognition)
  - CSA C22.2 No.14 (CSA Approval)
  
2. Operating conditions
  - (1) Operating temperature -40 to +70°C (no freezing)
  - (2) Operating humidity 5 to 85%RH (no condensation)
  - (3) Storage temperature -55 to +85°C (no freezing)
  - (4) Storage humidity 5 to 85%RH (no condensation)
  
3. Ratings
  - (1) Rated insulation voltage AC/DC250V
  - (2) Rated current SJ1S : 12A, SJ2S : 8A
  - (3) Applicable wire 2 mm<sup>2</sup> maximum
  - (4) Applicable crimping terminal 2 mm<sup>2</sup> × 2
  - (5) Recommended tightening torque 0.6~1.0 N·m
  
4. Constructions
  - (1) Outside view See attached sheet
  - (2) Housing color Black
  - (3) Screw Terminal Style M3 slotted Phillips screw
  - (4) Terminal center 7.35mm
  - (5) Number of terminals SJ1S : 5-pin, SJ2S : 8-pin
  - (6) Weight (Approx.) SJ1S : 27g, SJ2S : 30g
  
5. Characteristics
  - (1) Insulation resistance 100MΩ minimum (500V DC megger)
  - (2) Dielectric strength
    - (a) Between live and dead metal parts 2000V AC, 1 minute
    - (b) Between contact and coil 4000V AC, 1 minute
    - (c) Between contacts of the same pole 1000V AC, 1 minute
    - (d) Between contacts of the different poles: 3000V AC, 1 minute
  - (3) Vibration Resistance 10 to 55 Hz, Amplitude 1.5 mm
  - (4) Shock resistance (Damage limits) 100G (When using the release lever)
  - (5) Terminal Strength Wire tensile strength: 50N minimum

## 6. Safety Precautions

- (1) Turn off the power to the product before starting installation, removal, wiring, maintenance, and inspection of the products. Failure to turn power off may cause electrical shock or fire hazard.
- (2) For wiring, use wires of proper size to meet voltage and current requirements.  
Tighten the terminal screws to the recommended tightening torque.
- (3) Be sure to use the product within the rated specifications. Failure to turn power off may cause electrical shock or fire hazard.