

GA2

INDUSTRIAL JOYSTICK

SAEKAI

- Potentiometer or Hall Sensor
 - Single axis options
 - High-strength handle with excellent proportional control and on/off output
 - Protection rating: IP64 (above panel)
 - Easy installation, smooth operation, durable, and maintenance-free
- The SQ2 joystick is widely used in rotary drilling rigs, aerial fire trucks, crane shield machines, oil hoists, hydraulic proportional control systems, and frequency conversion motor control.

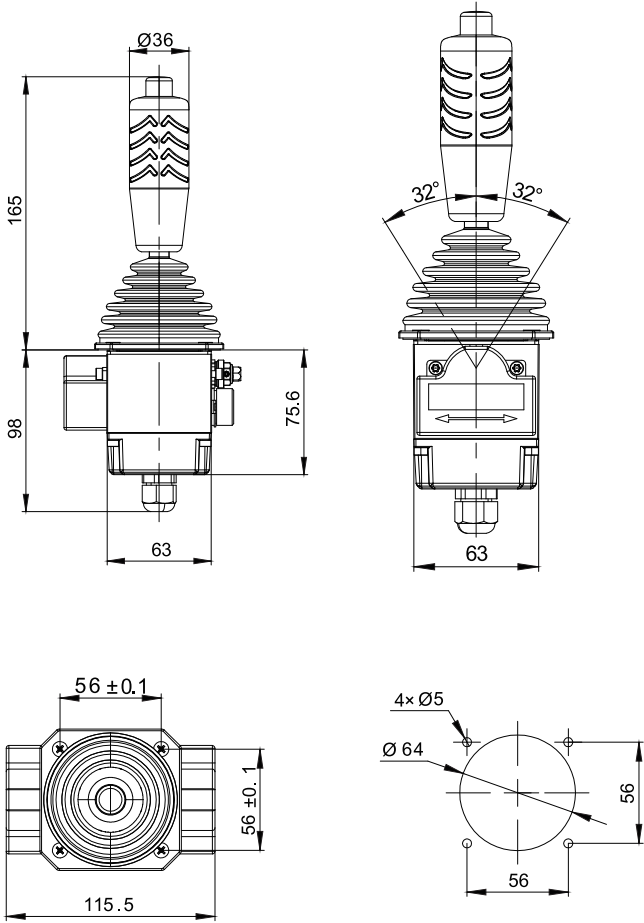
Technical Data

Operating Temperature: -40°C to +80°C
Handle Force: <20N
Mechanical Life: 5M
Operating Torque: ~5N (max 50N)
EMS Interference Resistance: Tested at 100V/m, frequency range 30MHz to 1GHz, with 80% sine wave modulation, meeting EN50082-2 (1995) standards.
ESD Protection Level: 4.8kV for contact discharge, 15kV for air discharge, compliant with IEC61000-4-2 standards.

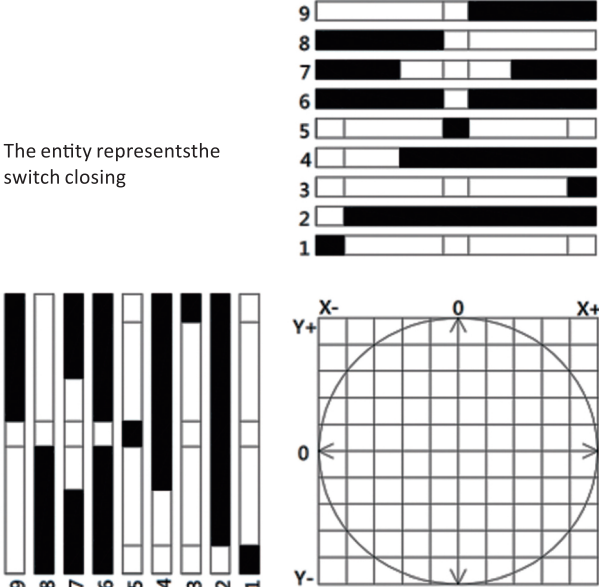


Selection	Palm Grips	Gate	Axis1			Axis2			Contact arrangement
			Axis 1	No. of contacts	Interface	Axis 2	No. of contacts	Interface	
• SHD8 SHD8 • S7 Press down mechanical interlock↓ • S2 Grab-type • SHD SHD8 with button • 8B SHD8 with button • S4 Lift-up mechanical interlock↑									
• 1 Bidirectional ↓ • 2 Unidirectional ↑									
• Z Spring return • R Friction brake									
• 01 2 contacts • 04 8 contacts	• 02 4 contacts • 05 10 contacts	• 03 6 contacts							
• Voltage output DC24V V1: -10V~0~+10V V2: +10V~0~+10V V3: -5V~0~+5V V4: +5V~0~+5V V5: 0~+10V V6: 0~+5V • Hall output DC5V HV1: 0-2.5-5V HV2: 0.5-2.5-4.5V HV3: 1.0-2.5-4.0V HV4: 1.25-2.5-3.75V • CAN CAN 2.0 CAN J1939 CAN OPEN • Current output DC24V I1: 4mA-12mA-20mA I2: 20mA-4mA-20mA P1: One directions output P2: Two directions output									
• Z Spring return • R Friction brake									
• 01 2 contacts • 04 8 contacts	• 02 4 contacts • 05 10 contacts	• 03 6 contacts							
• Voltage output DC24V V1: -10V~0~+10V V2: +10V~0~+10V V3: -5V~0~+5V V4: +5V~0~+5V V5: 0~+10V V6: 0~+5V • Hall output DC5V HV1: 0-2.5-5V HV2: 0.5-2.5-4.5V HV3: 1.0-2.5-4.0V HV4: 1.25-2.5-3.75V • CAN CAN 2.0 CAN J1939 CAN OPEN • Current output DC24V I1: 4mA-12mA-20mA I2: 20mA-4mA-20mA P1: One directions output P2: Two directions output									
• See the drawing below									

Dimensions



Contact Arrangement



Grip

