

ZS12

INDUSTRIAL JOYSTICK



Ergonomic Design: Specifically engineered for use in construction machinery, offering optimal user comfort and efficiency.

Hall Effect Technology: Utilizes contactless sensors for enhanced durability and extended operational life.

Customizable Options: Available with various handle designs and configurable button placements to suit diverse operational needs.

Flexible Output: Supports optional CAN bus output for integration with modern control systems.

Versatile Functionality: Features spring return and is capable of multi-axis operation for comprehensive control.

Applications

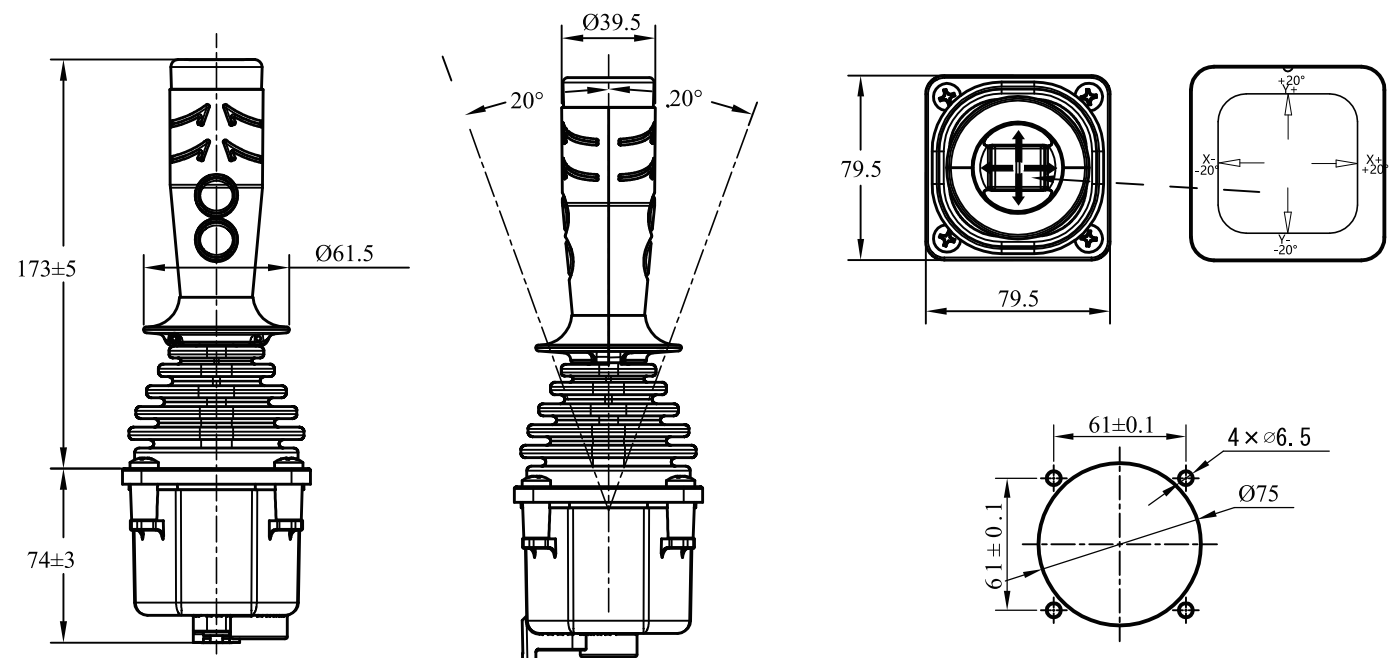
Ideal for cranes, loaders, forklifts, excavators, access platforms, tractors, harvesters, and other heavy machinery.

Technical Data

Operating Temp :	-30°C to +70°C
Service Life:	3 M
Protection Level:	IP65
Operating Force:	5N
Resistance:	< 200Ω



Dimensions



Selection

Selection	Palm grips	Gate	Axis 1		Axis 2		Mounting	Contact arrangement
			Movement	Interface	Movement	Interface		
• SHD8B Palm Grips with signal buttonSHD8B • SHD8 Palm Grips SHD8 See more options in the grip sector								
• 1: X-Axis ↔ • 3: Cross gate ⊕	• 2: Y-Axis ↓ • 4: All-direction ⌘							
• Z: Spring return								
• Voltage output DC24V - V1: -10V~0~+10V - V2: +10V~0~+10V - V3: -5V~0~+5V - V4: +5V~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 output - CAN J1939 output - CAN OPEN	• Current output DC24V - I1: 4mA-12mA-20mA - I2: 20mA-4mA-20mA					
• Z: Spring return								
• Voltage output DC24V - V1: -10V~0~+10V - V2: +10V~0~+10V - V3: -5V~0~+5V - V4: +5V~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 output - CAN J1939 output - CAN OPEN	• Current output DC24V - I1: 4mA-12mA-20mA - I2: 20mA-4mA-20mA					
• D: Dechi connector(CAN bus output only) • A: Terminal interface • L: Direct outgoing line								
• K1:  • K2: 								

Grip