

AT12

INDUSTRIAL JOYSTICK

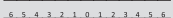
- Potentiometer or Hall Sensor
- Single-axis with spring return or friction brake options
- Robust build for precise control
- Simple setup, flexible operation, durable and maintenance-free
- Used in rotary drilling rigs, high-altitude fire trucks, crane machines, oil hoists,
- and frequency conversion motor controls.

Technical Data

Ambient Temperature:	-40 to +85°C
Operating Temperature:	-30 to +70°C
Handle Operating Force:	≤20N
Mechanical Life:	5M
Protection Level:	IP65
Angle:	±37.5° or ±75° (single direction)



Selection

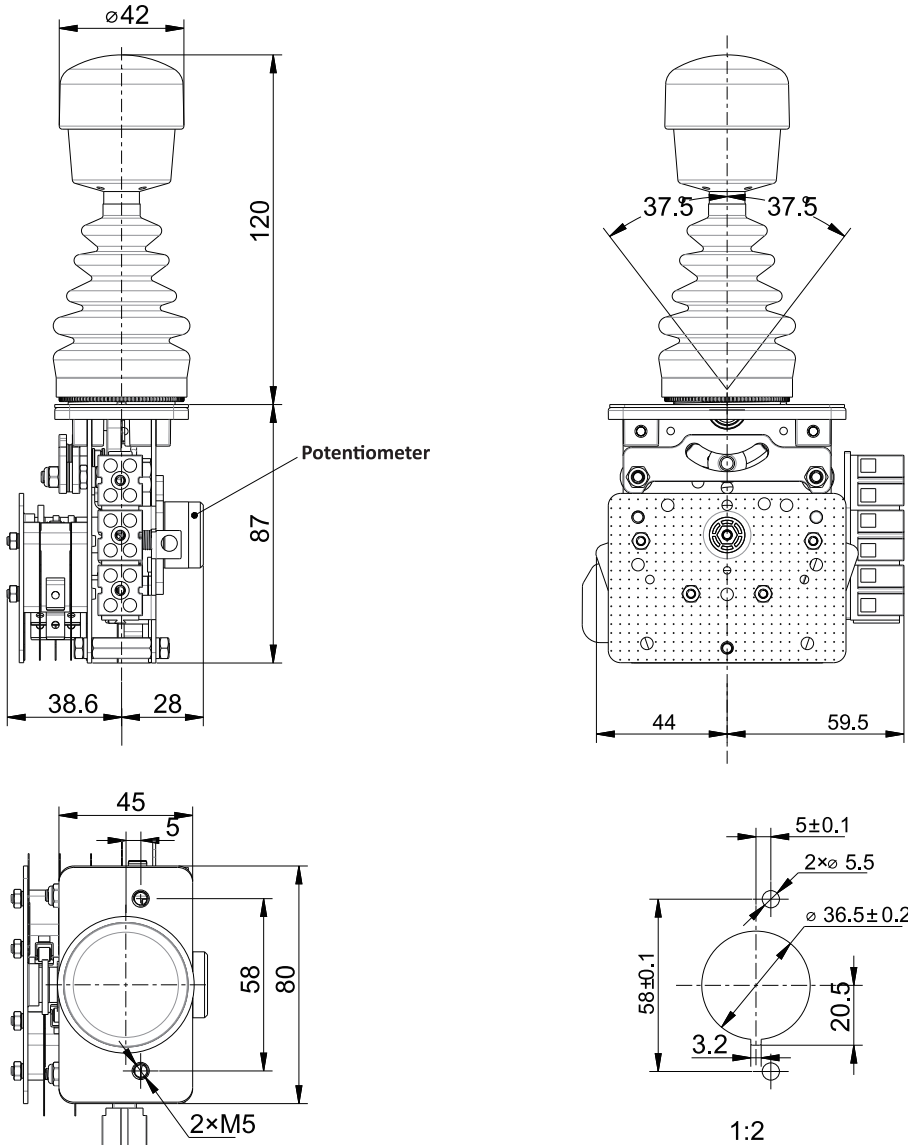
Palm Grips	Gate	Movement	Interface	Switch closed position	Wiring
• S5 Lift up zero mechanical interlock S5 • S6 Push-down zero mechanical interlock S6 • SB6 Straight Palm Grips with a button SB6 at the top See more options in the grip section					
• 1 Bidirectional ↓ • 2 Unidirectional ↑					
• Z: Spring return • R: Friction brake					
• Voltage output DC24V V1: -10V~0~+10V V2: +10V~0~+10V V3: -5V~0~+5V V4: +5V~0~+5V V5: 0~+10V • 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 • Potentiometer output DC36V P1: Two directions output P2: One directions output • 1K • 2K • 5K • 10K • 20K • Current output DC24V I1: 4mA-12mA-20mA I2: 20mA-4mA-20mA					
• K1  • K2  • K3 					
• A: Terminal interface • L: Direct outgoing line • X: Customize					



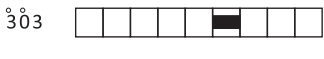
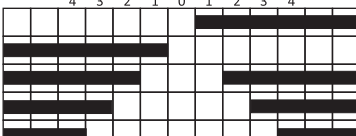
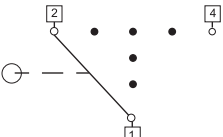
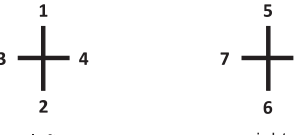
Grip



Dimensions



Contact Arrangement

Typ MS11 Form  A01	Typ MS24 Form  A11	Micro change over contact for control handle with dead man's button signal button push button  contact 5 05=direction 1/4/5/8 contact 3 03=direction 2/3/6/7  Deflection directions designated DIN 15025
MS12 A02	MS214 A12	
MS13 A03	MS224 A13	
MS14 A04	MS25 A14	
MS21 A05	MS26 A15	Zero contact NC  A98 Zero contact NO  A...0  A...1 
MS22 A06		
MS212 A07		
MS222 A08		
MS23 A09		
MS213 A10		