QT7B

INDUSTRIAL JOYSTICK

The QT7B industrial joystick is designed for AC circuits up to 380V (440V), enabling motor control, speed regulation, and braking. It can be mounted on consoles or portable control boxes and is widely used in industries like ports, shipping, railways, metallurgy, mining, and construction

Technical Data

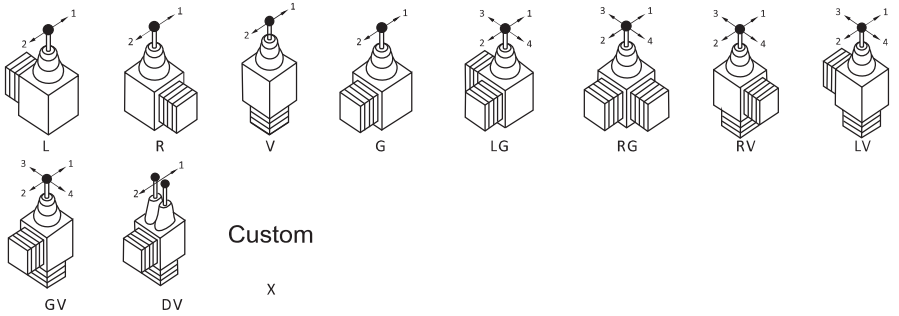
Operating Temp:	-20℃ to 60℃
Handle Force:	<50N
Rated Voltage:	380V/440V
Rated Current:	10A
Mechanical Life:	5 M
Degree of protection:	Up to IP65

Selection

Installation Variant	Palm Grips	Gate	Axis1 Movement	Axis1 No. of contacts	Axis1 Interface	Axis1 Movement	Axis1 No. of contacts	Axis1 Interface	Mounting	Contact arrangement

- See Appendix-Installation of contact group
- See more options in the grip section
- 1: 1-Axis↕ • 2: Cross gate ✣
- 3: All-direction ✳ • 4: Special gate
- Z: Spring return • R: Friction brake
- 01 2 contacts • 02 4 contacts • 03 6 contacts
- 04 8 contacts • 05 10 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
- **Current output** DC24V
  11: 4mA-12mA-20mA
  12: 20mA-4mA-20mA
- **Potentiometer output**
  1K 2K 5K 10K
- **CAN**
  CAN 2.0 output
  CAN J1939 output
  CAN OPEN
- Z: Spring return • R: Friction brake
- 01 2 contacts • 02 4 contacts • 03 6 contacts • 04 8 contacts • 05 10 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
- **Current output** DC24V
  11: 4mA-12mA-20mA
  12: 20mA-4mA-20mA
- **Potentiometer output**
  1K 2K 5K 10K
- **CAN**
  CAN 2.0 output
  CAN J1939 output
  CAN OPEN
- M1:B-type(84*84) • 2: M2: A-type(80*80) • X:Customize
- See the page 50

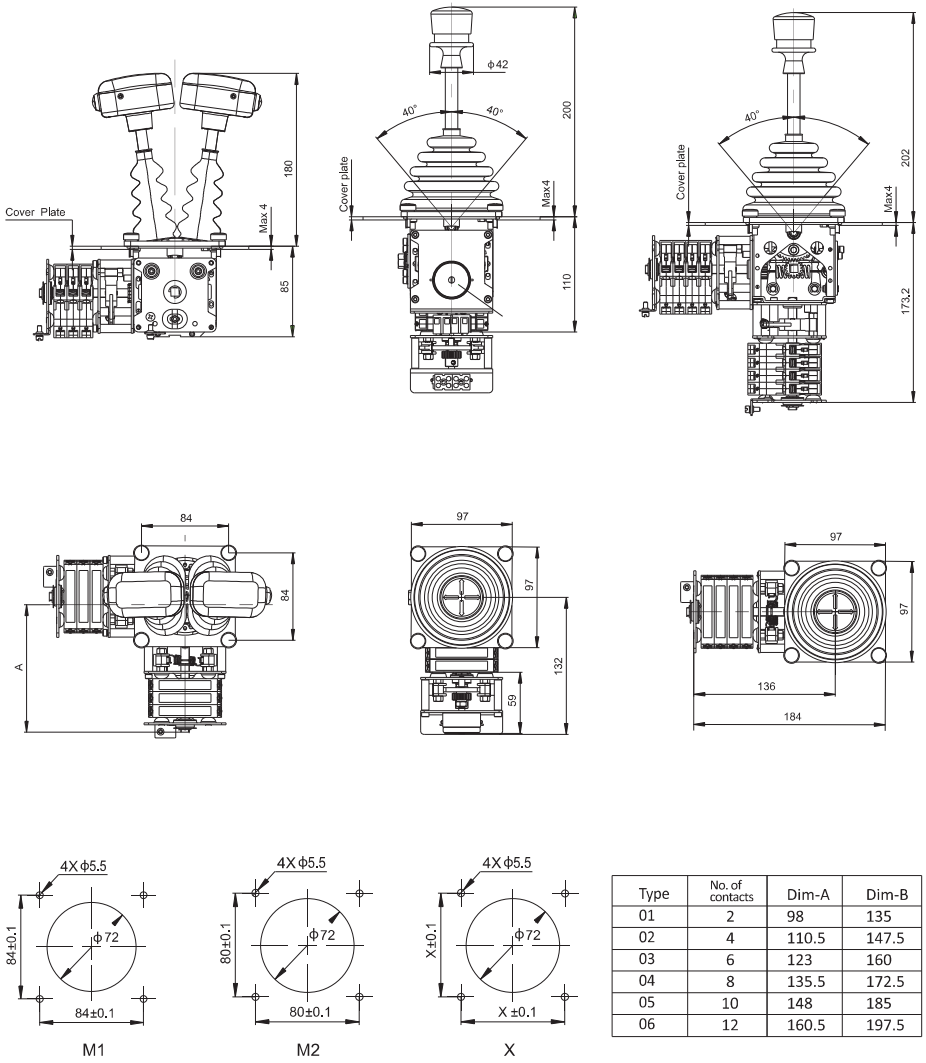
Installation variant



Grip

LSSINE

Dimensions



Type	No. of contacts	Dim-A	Dim-B
01	2	98	135
02	4	110.5	147.5
03	6	123	160
04	8	135.5	172.5
05	10	148	185
06	12	160.5	197.5

XKB

INDUSTRIAL JOYSTICK

LSSINE

The XKB Joystick is designed for various secondary circuits with AC 50Hz (60Hz), supporting a rated voltage up to 380V (440V). It enables motor commutation, speed control, braking, and linkage functions. This joystick can be installed on console surfaces or in portable control boxes, making it ideal for both light and heavy lifting equipment and driving applications that require a fixed console.

Technical Data

Model		XKB-A	XKB-E
Direction		4Direction, can be linked	•
Amount of movement		2	•
Amount of notches in each direction		3	•
Type of movement	Notched·Hold position/spring return	•	•
	unnotched·spring return	•	•
Operating schemes		Standard CAM assembly	Custom CAM combination
Maximum number of contacts per movement		16	•
Mechanical Life(in millions of operating cycles)		1	•
Control device		Vertical centering	•
Handle	1 Standard	•	•
	2 Mechanical zero interock	•	•
	4 With zero mechanical & electrical interlocks	•	•
	5 Push-down type	•	•
	6 Button with fat or convex head	•	•
	9 Other	•	•
Maximum numper of potentiometers per movement		1 or2 pairs	•

Model	XKB-A: predefined, non modifiable scheme XKB-E: variable composition scheme	
Direction	4Direction, can be linked	
Control lever	140mm maximum travel in one direction:28°	
Amount of notches in each direction	3	
Type of lever movement	①Notched positions, hold position: up to 3 gears(12°,20°;28°)in one direction	
	②Notched positions, spring retum: up to 3 gears(12°,20°,28°)in one direction	
	③Unnotched position, spring return: 28° travel in one direction	
Contact	Contact block with 4 contacts + 1 zero position contacts Each type of contact block allows the user to use 1 additional pair of contacts	
Contact closing sequence	XKB-A standard scheme . Each movement has 4 pairs of contacts + 1 pair ofzero position contacts: each movement has 2 palrs of direction contacts,2 pairs of functional contacts, and 1 pair of zero position contacts.	
	XKB-E customized scheme · Each movement has 4 pairs of contacts + i pair of zero position contacts: each movement mechanism has 4 pairs of contacts and i pair of zero position contacts.	
Electrical Life	1 million	
handle Grip position	Vertical center	
Handle	1 Standard handle:with zero(centre)position contact (closed at zero)	
	2 With zero mechanical interlocking wizero mechanicalock and the center of the closed contact	
	4 Push handle: The contact associatedMith it opens when the handle is released	
	5 Flat button handle: When the button isreleased, the associated contact breaks	
	6 Raised button handle: When the buttois released,the associated contact opens	
	9 Round head push-down handle typewhen the button is released, the associated off contact	
Maximum number of potentiometers per movement : 2 Pairs		