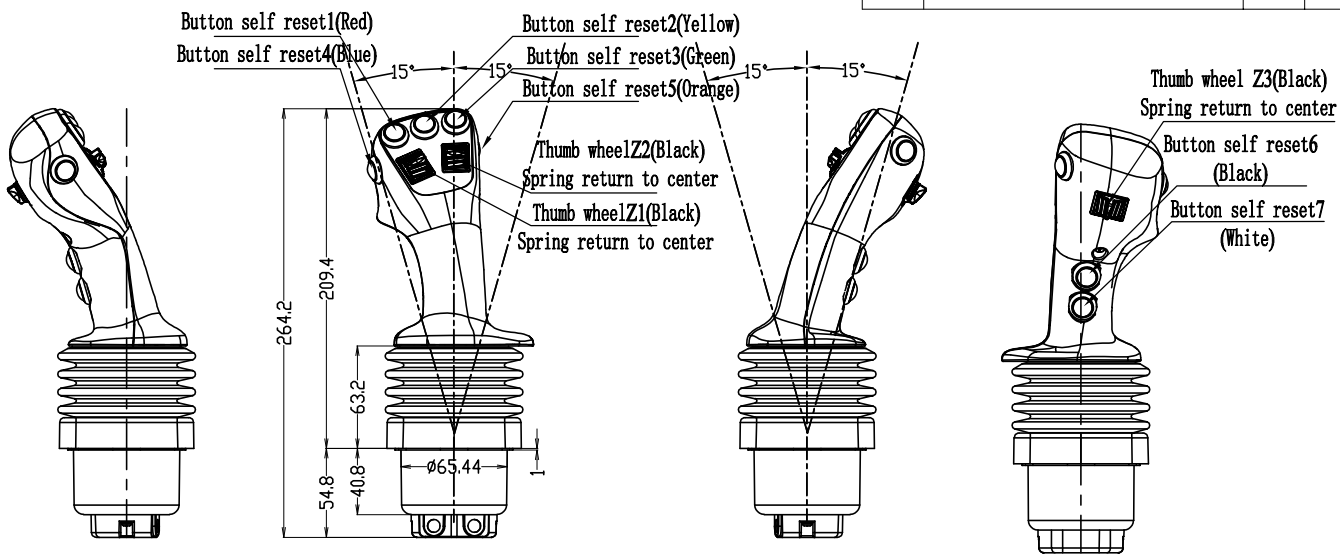
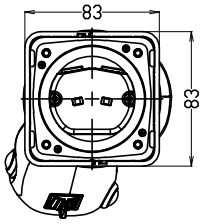
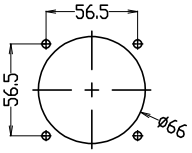
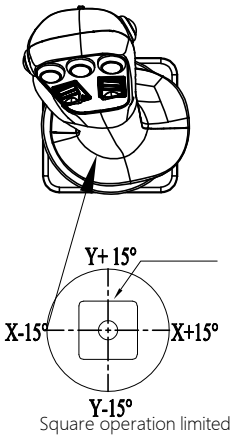




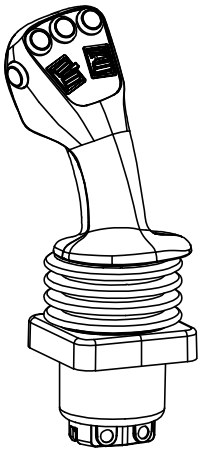


Install from top to bottom cut out size

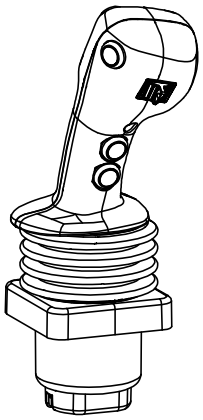
Pin	Description
1	CAN - Gnd
2	Power+(DC12/24V)
3	GND
4	CAN - H
5	CAN - L



Square operation limited



CAN J1939 communication protocol:									
CAN baud rate 250K, ID=0x0CFDD600+address , 20mS timed transmission									
Byte	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	Description
Byte0	LSB**X-axis position		X-axis control stick right positive position		Left negative position of the X-axis control stick		X-axis median state		Direction description
Byte1	MSB**X-axis position								Axis1(x)Angle value:0-255,center = 0
Byte2	LSB**Y-axis position		Anterior Y-axis control stick position		Y-axis control lever negative position		Y-axis median state		Direction description
Byte3	MSB**Y-axis position								Axis1(y)Angle value:0-255,center = 0
Byte4	0xFF								
Byte5	Button1		Button2		Button3		Button4		
Byte6	Button5		Button6		Button7		0x03		
Byte7	0xFF								
Direction description: XY: left X-, right X+; forward Y+, backward Y-;									
1=effective, 0=Invalid;									



CAN J1939 communication protocol:									
CAN baud rate 250K, ID=0x0CFDD700+address , 20mS timed transmission									
Byte	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0	Description
Byte0	LSB**Turn the dial to position 2		Dial 2 on the control lever to the positive position		Dial 2 control lever down negative position		Dial wheel 2 mid-position state		Direction description
Byte1	MSB**Turn the dial to position 2								Thumb wheel 1Z2 Angel value:0-240, center = 0
Byte2	LSB**Turn the dial to position 2		Dial 1 on the control lever to the positive position		Dial 1 control lever down negative position		Dial wheel 1 mid-position state		Direction description
Byte3	MSB**Turn the dial to position 1								Thumb wheel 1Z1 Angel value:0-240, center = 0
Byte4	LSB**Turn the dial to position 3		Dial 3 on the control lever to the positive position		Dial wheel 3 control lever left negative position		Dial wheel 3 mid-position state		Direction description
Byte5	MSB**Turn the dial to position 3								Thumb wheel 1Z3 Angel value:0-240, center = 0
Byte6	0xFF								
Byte7	0xFF								
Direction indication: Thumb wheel 1Z1 1Z2: Up+; Down -; Thumb wheel 1Z3: left -, right									
1=effective, 0=Invalid;									

Structure: Dual axis, spring reset, Square operation limited
Operation angle:±15°
Handle: JS12
Signal output: CAN J1939 output
Output method: M12 connector type A 5-pin male, lead 50cm

Model: H56 MKF-JS12 CAN S 2Q MS00 24W						
Mate Technology Shenzhen Limited www.matend.com						
Draw:	4	2025-07-02			View:	
Design:	1	2025-07-02	Stage		Unit:	mm
Audit:	2	2025-07-02				
Approve:	1	2025-07-02				