

MO395 MINI JOYSTICK

MO395
Mini Joystick

- Erilaiset kahvatyypit jopa 3 napilla
- Eri akselityypit valittavissa
- Useita eri lähtötyyppejä



TUOTEKUVAUS

MO395 Mini joystick käyttää kontaktiton Hall-anturiin perustuvaa mittausperiaatetta, jossa on turvallisuuden vuoksi kaksoisanturilähtö jokaiselle akselille. Joystickista on saatavilla yksiakseliset ja kaksiakseliset (plus- ja neliömalli) versiot.

Lisäksi myös kahvan pyöritys (Z-akseli) on mahdollista esimerkiksi zoom toimintoa varten. Erilaisiin kahvavaihtoehtoihin voidaan sisällyttää jopa kolme painiketta.

Joystick tukee useita lähtötyyppejä, kuten analogista jännitettä, PWM-signaalia, CAN j1939- ja CANopen -väyliä sekä USB-liitäntää. Suojausluokitus on IP65 laitteen yläosasta asennuslevyyn asti.

Analog

MO 395 -	H1X - Hardware	X - Axis of Actuation	X - Elec. Connection	XX - Grip	PXXX - Program	XX Button Voltage
	H10 - S:5V ; O:0-5V Full Redundant	0 - 2 Axis Full	0 - Hirose Conn 12 Pos	B0 - 388B No Button	*See the output signal diagrams	00 - Mechanic Switch
	H11 - S:8-32V ; O:0-5V Full Redundant	1 - 2 Axis Plus		B1 - 388B 1 Button		05 - 5V Push Button
	H12 - S:5V ; O:0-32V PWM Low Side Full Redundant	2 - Single Axis WE		C0 - 388C No Button		12 - 12V Push Button
	H13 - S:8-32V ; O:0-32V PWM Low Side Full Redundant	3 - Single Axis SN		C1 - 388C 1 Button		24 - 24V Push Button
	H14 - S:8-32V ; O:8-32V PWM High Side Full Redundant			A2 - 388 Grip with 2 Button		1W - 5-24V Push Button without LED
	H15 - S:5V ; O:0-5V with Z Axis Redundant			A3 - 388 Grip with 3 button		*00 is not available for B1 or C1 Grip option.

MO 395 -	H1X - Hardware	X - Axis of Actuation	X - Elec. Connection	XX - Grip	PXXX - Program	XX Button Voltage
	H16 - S:8-32V ; O: 0-5V with Z Axis Redundant			Z0 - 388 Grip No Button with Z Axis		
	H17 - S:5V ; O:0-32V PWM Low Side with Z Axis Redundant			Z1 - 388 Grip 1 Button with Z Axis		
	H18 - S:8-32V ; O:0-32V PWM Low Side with Z Axis Redundant			Z2 - 388 Grip 2 Button with Z Axis		
	H19 - S:8-32V; O:8-32V PWM High Side with Z Axis Redundant			Z3 - 388 Grip 3 Button with Z Axis		
	*			Y0 - 388 Grip No Button with 3 Detent		
				Y1 - 388 Grip 1 Button with 3 Detent		
				Y2 - 388 Grip 2 Button with 3 Detent		
				Y3 - 388 Grip 3 Button with 3 Detent		

CAN

MO 395 -	H2X - S1X - Hardware	X - Node ID <i>J1939 - CANopen</i>	X - Axis of Actuation	X - Elec. Connection	XX Grip
	395.H20.S10 - S:8-32V ; O: CANJ1939	A - <u>134(86h) - 10(0Ah)</u>	0 - 2 Axis Full	0 - Hirose Conn 12 Pos	B0 - 388B No Button
	395.H20.S11 - S:8-32V ; O: CANopen	B - <u>135(87h) - 11(0Bh)</u>	1 - 2 Axis Plus	3 - Deutsch DTM04-4P	B1 - 388B 1 Button
		C - <u>136(88h) - 12(0Ch)</u>	2 - Single Axis WE	*	C0 - 388C No Button
			3 - Single Axis SN		C1 - 388C 1 Button
					A2 - 388 Grip with 2 Button
					A3 - 388 Grip with 3 button
					Z0 - 388 Grip No Button with Z Axis
					Z1 - 388 Grip 1 Button with Z Axis
					Z2 - 388 Grip 2 Button with Z Axis
					Z3 - 388 Grip 3 Button with Z Axis

MO 395 -	H2X - S1X - Hardware	X - Node ID <i>J1939 - CANopen</i>	X - Axis of Actuation	X - Elec. Connection	XX Grip
					Y0 - 388 Grip No Button with 3 Detent
					Y1 - 388 Grip 1 Button with 3 Detent
					Y2 - 388 Grip 2 Button with 3 Detent
					Y3 - 388 Grip 3 Button with 3 Detent

USB

MO 395 -	H3X - S1X - Hardware	X - Axis of Actuation	X - Elec. Connection	XX Grip
	395.H30.S10 - S:5V ; O: USB Joystick	0 - 2 Axis Full	0 - Hirose Conn 12 Pos	B0 - 388B No Button
	395.H30.S11 - S:5V ; O: USB Mouse	1 - 2 Axis Plus		B1 - 388B 1 Button
	*	2 - Single Axis WE		C0 - 388C No Button
		3 - Single Axis SN		C1 - 388C 1 Button
				A2 - 388 Grip with 2 Button
				A3 - 388 Grip with 3 button
				Z0 - 388 Grip No Button with Z Axis
				Z1 - 388 Grip 1 Button with Z Axis
				Z2 - 388 Grip 2 Button with Z Axis
				Z3 - 388 Grip 3 Button with Z Axis
				Y0 - 388 Grip No Button with 3 Detent
				Y1 - 388 Grip 1 Button with 3 Detent
				Y2 - 388 Grip 2 Button with 3 Detent
				Y3 - 388 Grip 3 Button with 3 Detent

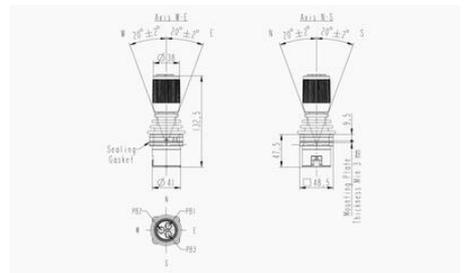
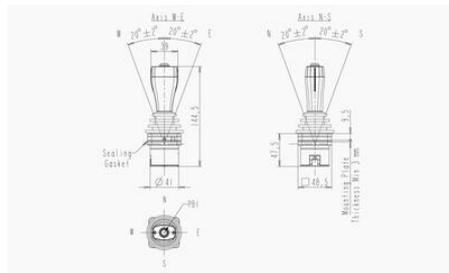
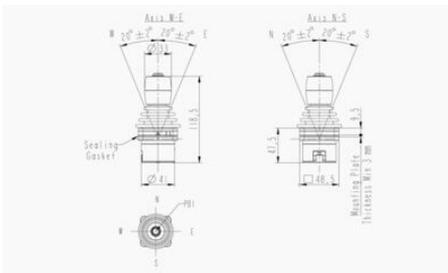
Power

MO 395 -	H4X - Hardware	X - Axis of Actuation	X - Elec. Connection	XX - Grip	XX Button Voltage
	395.H40 - S:8-32V ; O: 8-32V PWM High Side 2A/ch	0 - 2 Axis Full	0 - Hirose Conn 12 Pos	B0 - 388B No Button	12 - 12V Push Button
	*	1 - 2 Axis Plus		B1 - 388B 1 Button	24 - 24V Push Button
		2 - Single Axis WE		C0 - 388C No Button	1W - 5-24V Push Button without LED
		3 - Single Axis SN		C1 - 388C 1 Button	

TEKNISET TIEDOT

IP-luokka	IP65
Käyttölämpötila-alue	-40 - 85 °C
Liikerata	20°
Signaalityyppi	Analog Voltage, Current PWM, CAN j1939, CANopen, USB
Syöttöjännite	5V tai 8-32V





Z0 = No Button with Z Axis
Y0 = No Button with 3 Detent



Z1 = 1 Button with Z Axis
Y1 = 1 Button with 3 Detent



A2 = 2 Button
Z2 = 2 Button with Z Axis
Y2 = 2 Button with 3 Detent



A3 = 3 Button
Z3 = 3 Button with Z Axis
Y3 = 3 Button with 3 Detent



C0 = No Button



C1 = 1 Button



B0 = No Button



B1 = 1 Button