metallux

Portfolio Overview

Thumb joysticks



MJ-T10



MJ-T11

Finger joysticks



MJ-F11



MJ-F16



MJ-F12



MJ-F13



MJ-F14



MJ-F15

Hand joysticks



MJ-H10



MJ-H11

		MJ-T10	MJ-T11	MJ-F11	MJ-F16	MJ-F12	MJ-F13	MJ-F14	MJ-F15	MJ-H10	MJ-H11
Components	Complete system	●	●	●	●	●	●	●	●	●	●
	Base									●	●
	Handle									●	
Number of Axes	1-axle	●	●	●	●	●	●		●	○	●
	2-axle	●	●			●	●	●	●	●	●
	3-axle					●	●		●		●
	Multiaxial									●	○
Sensor Technology	Potentiometer			●		●	●			●	
	Hall	●	●	●	●			●	●	●	●
Interfaces	Potentiometer analog			●		●	●			●	
	Potentiometer for detent steps, digital					●	●			●	
	Potentiometer Gray-Code					●	●			●	
	Hall ratiometric 0.5 - 4.5 V	●	●	●	●			●	●	●	●
	CANOpen									●	○
	SAE J1939									●	○
	SPI	○	○		○			●	●	●	●
	PWM	○	○		○			○	○	○	○
Mechanical options	Spring return to center	●	●	●	●	●	●	●	●	●	●
	Spring return to center, reduced operating force					●	●			○	
	Spring return to end			●	●						
	1 – 5 detent steps, spring return to center				●	●	●				
	1 – 4 detent steps, locking				●	●	●				
	Stepless locking			●		●	●				
	Max. deflection angle x and y	22.5°	25.5°	30°	30°	26°	26°	19°	19°	20°	20°
Limiters	Square,					●	●		●	●	●
	Square, soft guided feel					●	●		●	●	●
	Round	●	●			○	○	●	●	●	●
	Round, soft guided feel	●	●			○	○		●	●	●
	Cross gate	○	●			●	●		●	○	○
	Single axis	●	●	●	●	●	●		●	○	○
Handle Functions	With integrated Push Button (Deadman)					●	●		●		
	With external Push Button (Deadman)					●	●				
	LED Lighting				○						
	Vibration				○						
	Control Panel configurable				○				○	●	●
	Handle length mm	12.7	23	55 / 65	56.6 up to 76.4	55 up to 70	55 / 65	51.4 up to 56.3	52.1 up to 63.1	200	38.7 / 45.2
Installation Data	Mounting Cutout	Ø 13.4	Ø 22.1	25 × 10.3	23 × 19	Ø 35	Ø 49	Ø 35.2	Ø 38.8	70 × 70	Ø 45 / 20.5
	Installation depth	12.7	14.1	9.4	9.4	41 up to 62	37.5 up to 62	17.6	17 / 25	44	25.5 / 19
	Mounting Location	below	below	below	below	below	below	below	above / below	above	above / below

Further configurations on request

Legend: ● Standard ○ Optional All dimensions in mm