

PRODUCT CODES JOYSTICKS

Explanation of Product Codes

Each product code begins with the model name.
After that, for each axis, the sensor technology, the interface, and the mechanical option are specified. This is followed by the limiter, the electrical connection, the handle design, and the handle function.

Example:

MJ-F12_XP02_A01_YP02_A01_Z000_A00_B01_C02_D07_E01

MJ-F12 Model name MJ-F12
XP02_A01 X-axis with potentiometer 0–100 % with directional switch and center contact; spring return to center
YP02_A01 Y-axis with potentiometer 0–100 % with directional switch and center contact; spring return to center
Z000_A00 No Z-axis
B01 Square limiter
C02 Connector
D07 Handle with rubber boot, closed
E01 Push button / Deadman switch, internal

Model name MJ-	Axes	Sensor technology	Interface	Mechanical options
T Thumb	X X-axis	0 None	00 None	A00 None
F Finger	Y Y-axis	H Hall	01 Potentiometer 0–100 % with directional switch	A01 Spring return to center
H Hand	Z Z-axis	P Potentiometer	02 Potentiometer 0–100 % with directional switch and center contact	A02 Spring return to center, reduced operating force
		M Membrane potentiometer	03 Potentiometer 0–100 % redundant	A03 1 detent step, spring return to center
			04 Potentiometer 0–100 % redundant, center contact	A04 2 detent steps, spring return to center
			05 Potentiometer 0–100 % reverse redundant	A05 3 detent steps, spring return to center
			06 Potentiometer 0–100 % reverse redundant, center contact	A06 4 detent steps, spring return to center
			07 Potentiometer 10–90 % with directional switch	A07 5 detent steps, spring return to center
			08 Potentiometer 10–90 % with directional switch and center contact	A08 Detent step in center, return to center
			09 Potentiometer 10–90 % redundant	A09 Detent steps in end positon, return to center
			10 Potentiometer 10–90 % redundant, center contact	A10 Detent steps in end and center positon, return to center
			11 Potentiometer 10–90 % reverse redundant	A11 1 detent step, locking
			12 Potentiometer 10–90 % reverse redundant, center contact	A12 2 detent steps, locking
			13 Potentiometer for detent steps, digital	A13 3 detent steps, locking
			14 Potentiometer for detent steps, center contact, digital	A14 4 detent steps, locking
			15 Potentiometer Gray Code and center contact	A15 5 detent steps, locking
			16 Hall ratiometric 0.5–4.5 V	A16 Stepless locking
			17 Hall ratiometric 0.5–4.5 V, redundant	A17 Stepless locking, with detent step in center
			18 Hall ratiometric 0.5–4.5 V, reverse redundant	A18 Stepless locking, with detent step in end position
			19 SPI	A19 Stepless locking, with detent step in end and center position
			20 CANOpen	A99 Custom
			21 SAE J1939	
			22 SENT	
			23 Profibus	
			24 PWM	
			25 Membrane potentiometer	
			26 Potentiometer 7.5–92.5 % with directional switch	
			99 Custom	

Limiter	Electrical connection	Handle design	Handle function
B00 None	C00 None	D00 No handle, only base	E00 None
B01 Square	C01 Solder connection	D01 MJ-T10 shape A	E01 Push button / Deadman switch, internal
B02 Square, soft guided feel	C02 Connector	D02 MJ-T11 shape A	E02 Push button / Deadman switch, external
B03 Round	C03 Cable	D03 MJ-F03	E03 LED Illumination
B04 Round, soft guided feel	C04 Cable with connector	D04 MJ-F11	E04 Vibration
B05 Cross gate	C99 Custom	D05 MJ-F16 shape A	E05 LED Illumination and vibration
B06 Single axis		D06 MJ-F16 shape B	E06 Configurable control panel
B07 Single axis, Y locked, X active		D07 Handle with rubber boot, closed	E99 Custom
B08 Single axis, X locked, Y active		D08 Handle with rubber boot, open	
B99 Custom		D09 Handle MJ-H10	
		D10 Z-axis with rubber ring	
		D11 Z-axis with ribs	
		D99 Custom	