

STANDARD JOYSTICK MJ-4K



The use of contactless Hall technology in this joystick is recommended, if only limited installation space is available or the application is subject to high vibration. The MJ-4K 2-axis joystick fulfills all these requirements. The trusted durability of the MJ-xx joystick series is also guaranteed with the MJ-4K as is the proven reliability.

The applications are vast and range from rehabilitation equipment and automation technology to construction equipment and marine applications.



ELECTRICAL SPECIFICATIONS

Operational voltage	5 V ± 0,5 V
Output signal	0,5 ... 4,5 V
Linearity	± 3%
Deflection angle, el.	± 19°
Power consumption	< 20 mA
Max. output current	± 8 mA
Resolution	16 bit
Option	Redundant output signal
Electrostatic discharge	BS EN 61000-4-2
Radio interference	BS EN 61000-4-3
High-frequency interfering signals	BS EN 61000-4-4
Conducted interfering signals	BS EN 61000-4-6
Radiated emission	EN 55016-2-3:2010+A1:2010

Specifications are subject to change without notice.
* Other values on request.

MECHANICAL SPECIFICATIONS

Service life	5 million cycles
Deflection angle, mech.	± 19°
Operating force	3,5 N typically *
Gate shape	Circular
Centre position tolerance	± 1°
Impact strength	200 N

ELECTRICAL CONNECTION

FCI Minitex 98414

AMBIENT CONDITIONS

Storage temperature	−40°C ... +85°C
Operating temperature	−25 ... 70°C (opt. −40 ... 85°C)
Protection class (above mounting flange)	IP 65

MATERIALS

Base	Aluminium
Bearing	Stainless steel/plastic

MJ-4K

Type	MJ-4K XY: Hall 0.5 – 4,5 V, open gaiter version for adapter assembly	Type	MJ-4K XY: Hall 0.5 – 4.5 V redundant, additional variant with closed rubber boot
Item number	E060200408 (2-axis)	Item number	E060200580 (2-axis)
Type	MJ-4K XY: Hall 0.5 – 4.5 V, additional variant with closed rubber boot	Connection cable	Connecting plug with locking device; 8-poles, FCI Minitex 500mm, white AWG 26
Item number	E060200570 (2-axis)	Item number	Z301000104

DRAWINGS FOR MJ-4K

