50JCK-ex ATEX Joystick

The ALTHEN Sensors & Controls ATEX Joystick combines industrial joysticks together with ATEX certified components such as the potentiometers and switches.

We can offer you a 1, 2 or 3 axis joystick based on our 50JCK models.

The potentiometers are certified according to:
Ex II 2G EEx d IIC T6 or T5 IP66 T80° or T95° + IECEx

The switches are certified according to:
Ex II 2G EEx d IIC T6 + IECEx

You can specify the required functions on your custom built joystick.

Mechanical life expectancy: 5,000,000 operations
Life expectancy potentiometer: 10,000,000 operations

A switch function in the knob is available on the 90JAM model

1-axis joystick 50JCK with 1 potentiometer
+ 2 directional switches

X-axis

X+Y axis

X+Y+Z axis
A) S50JCK-XI-10R1G
+ 1 pot (Y-direction)
+ spring return

B) S50JCK-YO-20R2G
+ 2 pots (X and Y direction)
+ spring return

C) S50JCK-YO-24R2G
+ 2 pots (X and Y direction)
+ 4 directional switches
+ spring return