

# **38 mm TRACKBALLMODULE**

#### RUGGED TRACKBALL FOR REAR/FRONT PANEL MOUNTING

Sealing IP65 (static); PS/2, USB or phase quadrature output

The GK38 series are ruggedised professional trackballs for harsh industrial environments. The double-sided seal ring provides a sealing to **IP65** static (ball in rest). Stainless steel shafts and bearings ensure a solid and precise pointer control. The unit can be used for **frontpanel mounting** (remove the mounting bracket) or for **backpanel mounting**.



GK38-xxxx

#### SPECIFICATIONS

IP65 (static) Sealing Mounting angle Max. 90° to horizontal plane Casing material ABS/Polycarbonate Lifetime - Ball revolutions >= 2 million Ball material Phenolic resin Supply voltage (GK38-4002) 5 Vdc +/- 5% Ball colour Black Supply current (GK38-4002) 10 mA Typ Ball diameter 38,1 mm -25°C to +80°C Storage temperature Weight 100 grams Operating temperature -10°C to +60°C Seal material PTFE Composite Relative humidity 95% non-condensing Shaft diameter 3 mm Vibration 5G, 5-2KHz any plane Tracking force 50 grams nom

### CONNECTIVITY

The **GK38-4502** is **PS/2** compatible. The **GK38-4602** can be plugged into any **USB** port or hub. Both types are supplied with 1,6m long shielded straight cables and external switch cables.

The **GK38-4002** has **phase quadrature output**: X1(Y1) leads X2(Y2) when motion of ball in positive X(Y) direction. It is supplied with a 10-way connection cable of 35 cm.

#### OPTIONAL ANTI-VANDAL BACKPLATE

This additional backplate and mounting spacers enable the unit to absorb a very high level of abuse or impacts. When mounted properly by the end-user, this backplate will limit the hostile impacts on the ball to an acceptable level and protect shafts, bearings and other components of the unit.

## • ORDERING INFO

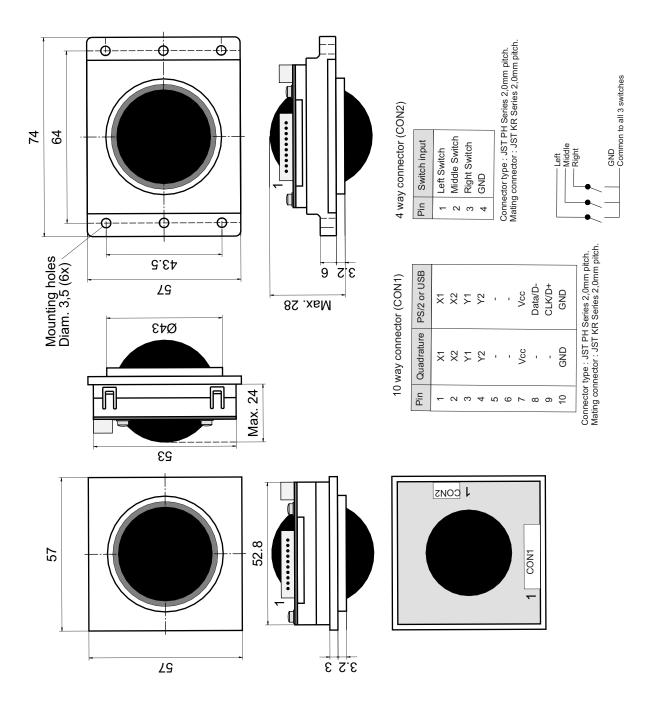
Output	Order Number	Consisting of :
Quadrature	GK38-4002	P38-500420 Trackball module only IC101035 : 35 cm interconnection cable to CON 1
PS/2	GK38-4502	P38-540420 : Trackball module only OC6010160 : 1,6 m shielded cable with 6 pin mini DIN plug IC040035 : 35 cm switch cable (4 wires) to CON2
USB	GK38-4602	P38-550420 : Trackball module only OC5010160 : 1,6 m shielded cable with USB type A plug IC040035 : 35 cm switch cable (4 wires) to CON2

Option for all GK38 trackball types		
Anti-Vandal Backplate Incl, spacers, washers and screws	AP38-1	

<sup>\*</sup> Due to the increasing differences of the mouse port specifications of the various PC manufacturers, we do recommend that this unit should be tested on the final PC configuration and operating system prior to installing it in series

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#### DIMENSIONAL DRAWING



The company reserves the right to alter without prior knowledge the specification or design of any standard product or service.



NSI bvba, Haakstraat 1A, B-3740 Bilzen, Belgium

Tel.:++32 (0) 89 51 90 00 Website: www.nsi-be.com Fax:++32 (0) 89 51 90 09 E-mail: info@nsi-be.com