

TW-50-IP65 Optical Trackball with Epoxy Resin Ball

Optical trackball with 50 mm diameter, IP 65 Protection (static)



Description



Features:

- 50 mm optical epoxy resin [Trackball](#) module in a tough ABS/polycarbonate top plate.
- The patented scraper ring enables the ball to be [IP 54 \(NEMA 2\)](#) or IP65 (NEMA 4)
- For industrial, medical or common data input as well as for kiosk infoterminals or aerospace industry.
- Besides the expoy resin ball (optical technology) we offer a robust high-grade stainless steel trackball as well as a plastic trackball (mechanical technology)

Please note the links below.

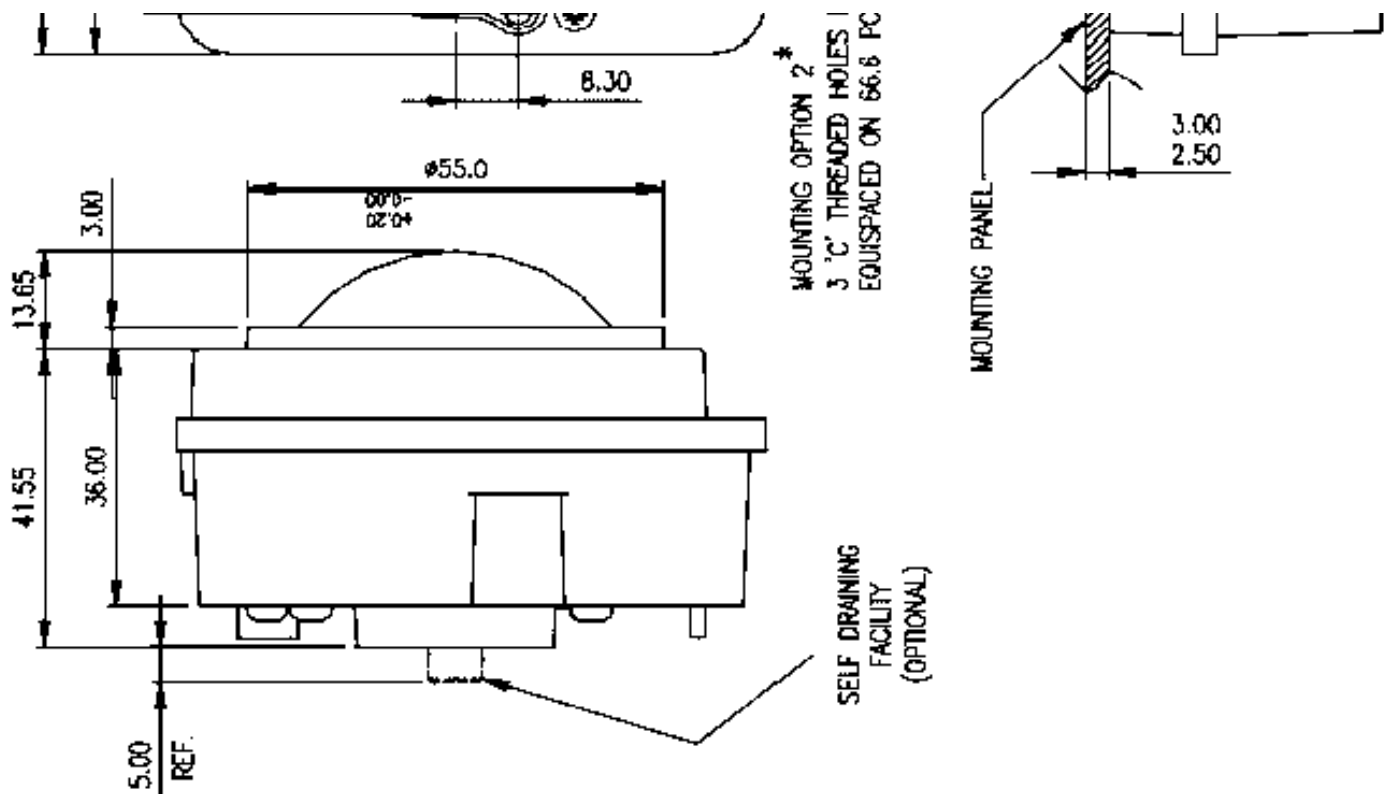
Output Connector (J1):

Pin	Quadrature Ausgang	PS/2	USB
1	X1	X1	X1
2	X2	X2	X2
3	Y1	Y1	Y1
4	Y2	Y2	Y2
5	-	-	-
6	-	-	-
7	VCC (+5VDC)	+5VDC	VCC
8	-	DATA	D-
9	-	CLOCK	D+
10	GND	GND	GND

Input Connector for Switches (J2):

Pin	Function
1	Left Switch
2	Middle Switch
3	Right Switch
4	GND

Power Supply for optional Backlight Power:



Specification

Mechanical data

Housing:	Built-in
Housing:	Polycarbonat
Degree of Protection:	IP68
Dimensions:	77,55 x 77,55 x 36,00 mm
Weight:	0,21 kg
Ball Diameter:	50,8 mm
Ball Material:	Epoxy Resin

Electric Data

Interface:	Combo PS/2 and USB
Operating Voltage:	3,6 - 5,5 V
Operating Current:	110 (150 max.) mA

Environment

Operating Temperature:	from 0 °C to 55 °C
Storage Temperature:	from -25 °C to 85 °C

Quality

Live time:	> 1 mio. ball revolutions
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Additional Information

motion force:	10-160 g
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Order No.	Article	
TW1106	TW-50-Opt-USB+PS2	Combo PS/2 and USB

Accessories

Order No.	Article	
ZK1290	USB Anschlusskabel, ca. 2,5m Länge	cable for USB

ZK1220	Kabel-PS2	cable PS/2
ZK1245	Kabel zum Anschluss von 2 Tasten (L+R) an Trackball mit integriertem Kontroller	Cable Left+Right Mouseswitch -> Controller
ZK1342	Kabel zum Anschluss von 3 Tasten (L+R) an Trackball mit integriertem Kontroller	Cable Left+Right Mouseswitch -> Controller
ZT1043	ZTS- M19 Metalltaste mit Anschlussklemme 	M19 Zink-Druckguss Taster
ZT1091	M19-Edelstahl 	M19 Edelstahl Taster

Links

Click!	Titel
	TW-50-IP65 Stainless Steel Trackball Module Heavy duty module with 50 mm ball (IP65 static)
	TW-Series Trackball Modules Optical or Mechanical Trackballs in different sizes
	TVG-Series Vandalproof Trackball or Touchpad
	TW-50-IP65 Plastic Trackball Module Heavy duty module with 50 mm ball

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