

Built-in keyboard | 105 keys | integrated trackball



- Built-in keyboard for rear mounting
- Integrated trackball
- Also with individual layouts and logos

<https://www.wachendorff-prozesstechnik.de/en/FIT105E16R-TI>

Description

FIT-INOX is a keypad technology which, like DIGI-INOX, uses a 2 mm thick front panel and 3 mm thick stainless steel keycaps as a starting point. The material used here is also high-quality AISI 316L stainless steel.

The smooth key actuation of the metal keyboards in the FIT-INOX range is made possible by silicone mats. These either meet snap domes as the actual switching element or are themselves designed as a direct-contact element. The buttons are punched directly out of the metal front and welded to a button base. This makes it possible to insert an intermediate layer made of plastic or Poron. This can be used to achieve a degree of protection of IP68 or to prevent LABS emissions.

Grafos Steel has been involved in the development and manufacture of stainless steel keyboards for more than 20 years. The result is one of the world's largest ranges, with a suitable product for every area of application. Metal keypads from GrafosSteel are characterized by their high resistance and long service life, as well as their attractive price/performance ratio and the possibility of ordering from just one piece.

Customs tariff number: 84716060

Manufacturer: GrafosSteel

Product details

Keyboard type:	Standard keyboard
Keyboard technology:	FIT-INOX FIT
Number of keys:	105
Key shape:	Elliptical shape with 16 mm diameter
Installation type:	R (rear mounting)
Controller:	Stainless steel trackball
Interfaces:	PS/2, USB type A
Labeling type:	L (laser marking)
Housing:	Stainless steel AISI316L with a thickness of 2.0 mm for buttons and front panel
Switching travel:	1.5 mm +/- 0.1 mm
Switching force:	1.5 N (typical)
Switching cycles:	> 2,000,000 cycles
Switching technology:	Graphite pad on printed circuit board with gold-plated contacts
Max. contact resistance:	< 100 Ohm
Insulation:	> 500k Ohm
Protection class:	IP54, IP65
Mechanical resistance:	IK08
Ambient conditions:	Operating temperature: 0°C to +50°C Storage temperature: -25°C to +55°C
Standard layouts:	DE, ES, FR, IT, US



Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de

