

Features

- IP66 (front plate)
- PC-compatible-keyboard with 105 short stroke keys
- Designed for use in hazardous areas, Class I/Div. 2, and Class II/Div. 2
- USB interface
- Nonincendive Division 2 / Zone 2 barrier required
- Panel mount or stainless steel housed keyboard
- International keyboard layouts
- Resistive touchpad mouse

Application

The EXTA3-⁻-K^{*}-^{*} is a non-incendive keyboard with USB interface. The keyboard is designed for panel mounting or for installation in a desktop housing.

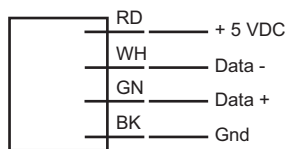
Pointing devices can be configured as part of the model nomenclature:

- K1 No pointing device
- K3 Mechanical trackball
- K4 Capacitive touchpad
- K6 Joystick
- K8 Sealed optical trackball
- K9 Glove friendly resistive touchpad

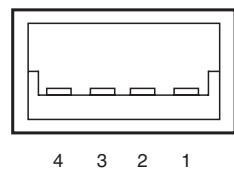


Connection

Cable ends

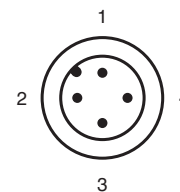


Type A USB



Pin	Description
1	+ 5 VDC
2	Data -
3	Data +
4	Gnd



4-pin, M12



Pin	Description
1	+ 5 VDC
2	Data -
3	Data +
4	Gnd

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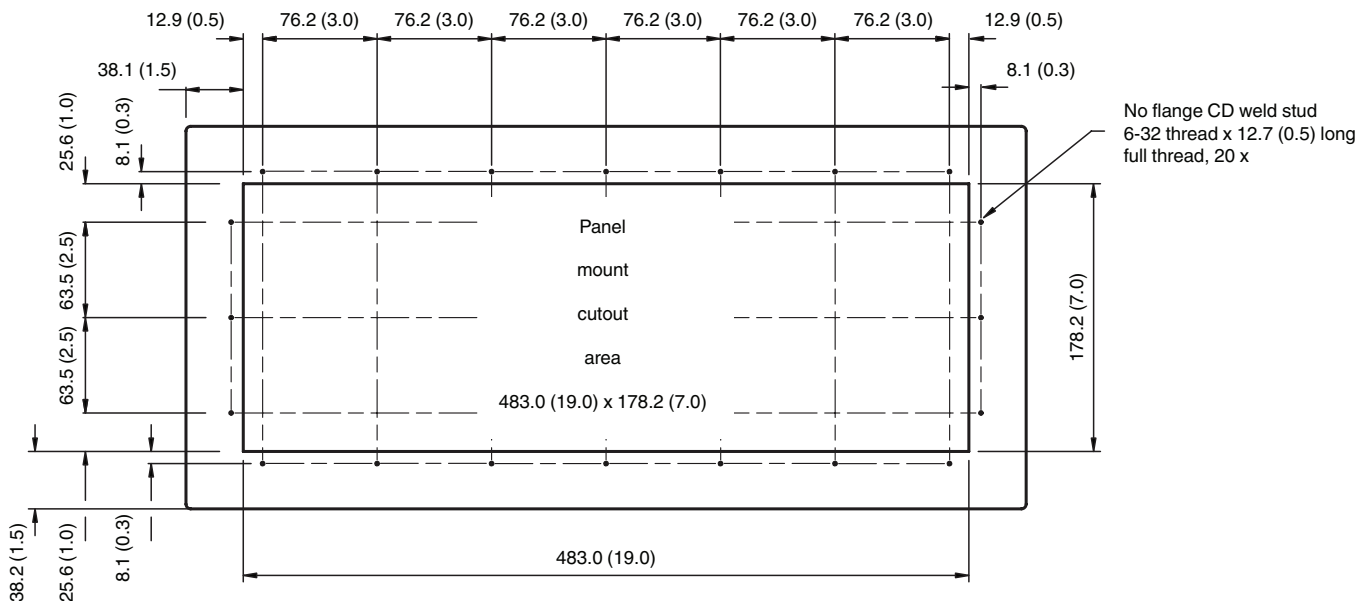
Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

General specifications	
Type	Keyboard with touchpad
Suitable components	SK-PC-D2-UU1-10-HS
Supply	
Rated voltage U_r	Ex i, via data line
Indicators/operating means	
Keyboard	105 entry keys Keyboard layout: US international (further keyboard layouts on demand)
Touchpad	
Active Principle	resistive
Resolution	40 Pts./mm
Dimensions	66 x 50 mm
Driver	Microsoft Mouse ® , USB
Interface	
Interface type	USB
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61000-4-2: 2009, EN 61000-4-3: 2006 + A1: 2008, EN 61000-4-4: 2004, EN 61000-4-6: 2009, EN 55011: 2009, EN 61000-6-2: 2005, EN 61000-6-4: 2007, EN 61326-1: 2006
Conformity	
Degree of protection	IP66 (front plate) Type 4X
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Relative humidity	max. 85 % , non-condensing (48 h endurance test)
Mechanical specifications	
Material	anodized aluminum , Polyester foil
Mass	1.2 kg
Dimensions	Desktop mount: 559.3 mm x 254.6 mm x 44.5 mm (22.02" x 10.02" x 1.75") Panel mount: 491.4 mm x 186.8 mm x 45 mm (19.35" x 7.35" x 1.77")
Cut out dimensions	483 mm x 178.2 mm
Cable length	1.8 m
Note	The nonincendive barrier, SK-PC-D2-UU1-10-HS, is required when using this product.
Data for application in connection with hazardous areas	
Certificate	PF II CERT 1918X
Marking	 II 3GEx ic IIC T4 Gc  II 3D EX ic IIB T135°C Dc
Input	
Voltage U_o	5.4 V DC
Current I_i	240 mA
Internal capacitance C_i	24 µF
Internal inductance L_i	negligible
Directive conformity	
Directive 94/9/EC	EN 60079-0: 2009 EN 60079-11: 2007
International approvals	
UL approval	cULus (E190294)
Approved for	Class I, Division 2, Groups A, B, C, D, T4 Class II, Division 2, F,G

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Dimensions

Panel mount dimensions



Accessories

SK-PC-D2-UU1-10-HS
Div. 2 / Zone 2 Ex-rated barrier

Chemical resistance of keyboard foil

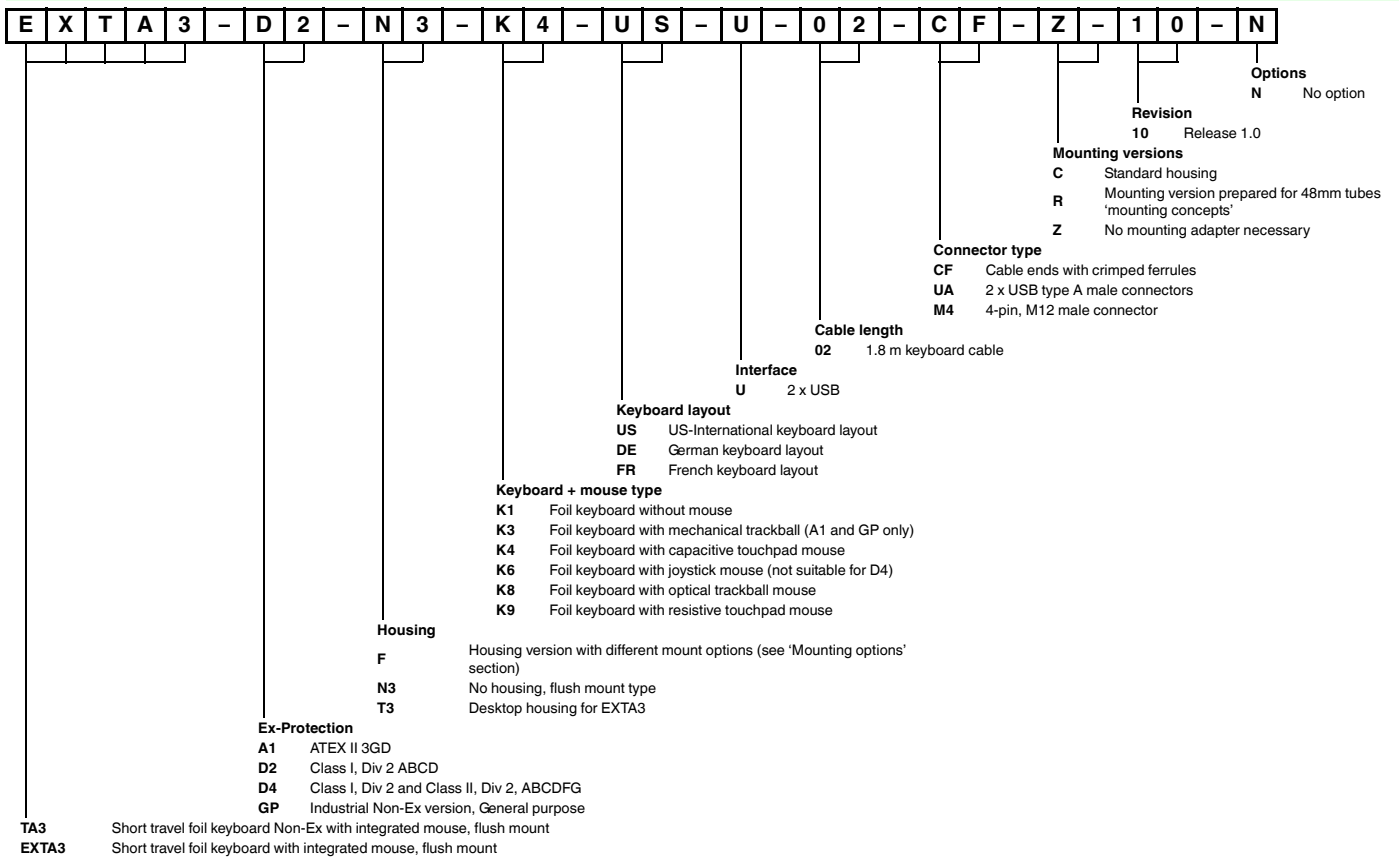
The keyboard foil is manufactured from a biaxially aligned polyester-based material and therefore has a greater resistance to solvents. The foil is stronger and more durable than other standard foils used on keyboards and front panels, such as polycarbonate and PVC.

The keyboard foil is resistant against the following substances: (Test method: DIN42115)	The foil passed the anti microbial effectiveness tested with: (Test method: AATCC Test method 100):
Alcohols	Staphylococcus aureus (MRSA)
Dilute acids	Escherichia coli 0157
Dilute alkalis	Listeria monocytogenes
Esters	Pseudomonas aeruginosa
Hydrocarbons	Salmonella enteritidis
Ketones	Bacillus cereus
Household cleaning agents	Streptococcus faecalis
	Klebsiella pneumoniae
	Aspergillus niger
	Penicillium purpurogenum
	Phoma violacea
	Saccharmyces cerevisiae

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Type code



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