

# 720 TFX Series Sealed and Rugged Keypads

These tough, water resistant keypads feature moving, tactile keys with a responsive 'over-centre' action and are designed for use in harsh industrial environments. High contrast white keytops are permanently laser engraved with black characters.



The keypad can be installed on the surface or under the panel.

Fit the supplied silicone seal into the seal groove on the keypad Use the groove on top for underpanel, and on back for surface fix. The wide part of the seal goes into the groove - see picture below of the seal fitted to the back of the keypad.



### **Connection Details**

**Connection Details** for 4 Key Keypad CONTACT CONNECTIONS

• • • • • 5 4 3 2 1 (As viewed from rear of keypad) 1

A в С D KEY LOCATION (As viewed from front of keypad

	CONTACT MATRIX	
	CONNEC. PIN	ROW/ COLUMN
	1	common
	2	D
	3	С
	4	В
)	5	A

**Connection Details** for 12 Key Keypad





(As viewed from front of keypad)

**Connection Details** for 16 Key Keypad



(As viewed from front of keypad)

D



	CONTACT MATRIX	
CONNEC. PIN	ROW/ COLUMN	
1	A	
2	В	
3	1	
4	2	
5	3	
6	4	
7	D	
8	С	

Electrical

Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Switch Rating Connection

## Mechanical

Operational Life Keytop Travel Actuation Force Connector Mating Connector

## Performance

Operational Temp Impact Rating Vibration/Shock Water / Dust sealed

5 ms (max) 100 ohms (max) 50 Mohms (min) 500 V AC (max 60 secs.) 24V DC 50mA (max) X-Y Matrix

2 million cycles (min) per key 1.4mm nominal 150 grams nominal

0.1"pitch, gold plated square pin Molex 2695 Series or equivalent

#### -20°C to 60°C 5 J ETSI 300 019 5M3 IP65 (when fixed to suitable panel )

7203-12T020 7203-16T020 720TFX SERIES 4 KEY 720TFX SERIES 12 KEY 720TFX SERIES 16 KEY

### Accessories

**Part Numbers** 

7203-04C020

4200-00 4500-00 4500-10

## Dimensions

Overall sizes Panel Cutout DXF Surface Model STEP

**RS232 Encoder Interface Module** 450 USB Encoder Interface Module 450i USB Encoder Interface Module with Buzzer and Illumination Control Replacement Seals -- go to www.storm-interface.com

# See following page.

Download .dxf and .stp files from www.storm-interface.com





www.storm-interface.c

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Install the keypad onto the surface of a panel as follows :-

- Fit the seal to the rear of the keypad
- Place the keypad onto the panel and fit the self locking nuts to the studs on the back
- Recommended tightening torque 50Ncm



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