

# 720 TFX-i 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 and have integral white LED illumination for use in dark or partially lit locations.



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
• • • • • • •
7654321
(As viewed from rear of keypad)
1
A
В
c
D
KEY LOCATION
(As viewed from front of keypad)

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

**Connection Details** for 12 Key Keypad CONTACT CONNECTIONS



в

С

D

MICALL IN A					
CONNEC. PIN	ROW/ COLUMN				
1	Cathode				
2	A				
3	В				
4	1				
5					
6	3				
7	-				
8	D				
9	С				
10	Anode				

CONTACT

MATRIX

Co fo						_	-		
CON	NTA	СТ	СС	NN	IEC	TIC	ONS	3	
•	•	•							•
10 (As		8 vec							
	1	2	;	3	4				
A			][			]			
в						]			
С			][			]			
D			10			]			

KEY LOCATION

(As viewed from front of keypad)



#### Electrical

Contact Bounce Contact Resistance Insulation Resistance Breakdown Voltage Switch Rating Connection Illumination (Pin 1 is 0 V)

#### Mechanical

**Operational Life** Kevtop 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 5 V DC ± 10 %,13mA per key

2 million cycles (min) per key

0.1"pitch, gold plated square pin

Molex 2695 Series or equivalent

IP65 (when fixed to suitable panel )

1.4mm nominal

-20°C to 60°C

ETSI 300 019 5M3

5 J

150 grams nominal

Part Numbers 7203-04CW20

7203-12TW20 7203-16TW20 720TFXi SERIES 4 KEY 720TFXi SERIES 12 KEY 720TFXi SERIES 16 KEY

RS232 Encoder Interface Module

450 USB Encoder Interface Module

### Accessories

4200-00 4500-10

with Buzzer and Illumination Control Replacement Seals -- go to www.storm-interface.com

# Dimensions

Overall sizes Panel Cutout DXF Surface Model STEP See following page. Download .dxf and .stp files from www.storm-interface.com





technology protected by international patents and design registration. All rights reserved

Datasheet 072-x3-28KT Rev 2 Nov 2013

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice www.storm-interface.com www.

FM 39602



# 720 TFX-i Series Sealed and Rugged Keypads

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







All panel dims in mm. Corner Rads all M3

### www.storm-interface.com

Storm is a trademark of Keymat Technology Ltd. Storm Interface is a trading name of Keymat Technology Ltd. Storm Interface products include technology protected by international patents and design registration. All rights reserved

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice www.storm-interface.com

FM 39602