$torm
SF6000 Series Keypad

Compact numeric data entry
for use where panel space is limited

- **Impact resistant 20J BS EN 60068-2-75: 1997)**

- **Weather resistant (IP65)**

- **Suitable for use by those with mobility or sensory impairment**

- **Permanent, high contrast, laser engraved keytop graphics (engraved and infilled metal keys)**

- **Raised tactile symbols on coloured function keys and 'home pip' on the 5 key**

- **Rugged, reliable and responsive data entry featuring Storm's patented switch technology**

- **Available with black polymer keys, illuminated polymer keys or metal keys**

- **Small footprint – overal dimensions: 106.5 x 88.5 x 31 mm (including contact connections)**

- **Can be sanitised using most commonly used cleaning agents**
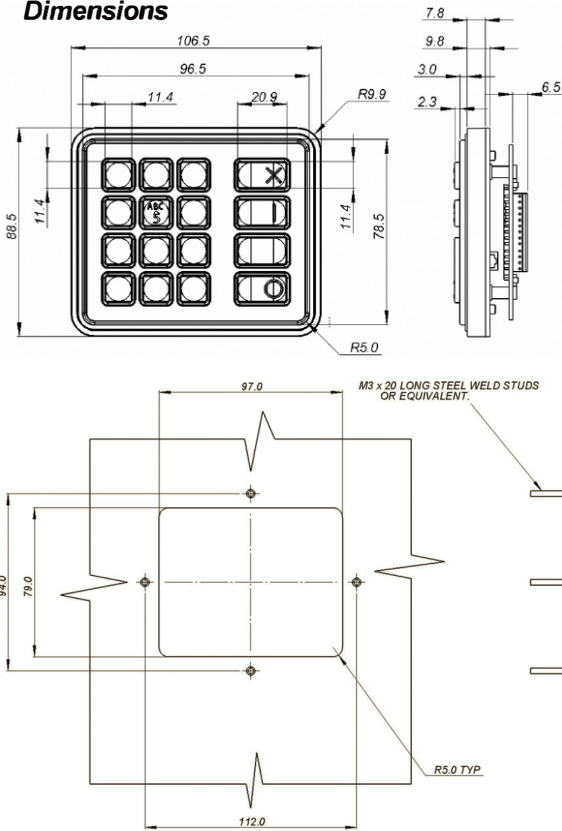
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Storm

Small Footprint – SF6000 Series Keypad

Dimensions

7.8
9.8
3.0
2.3
6.5

106.5
96.5
11.4
20.9
R9.9
88.5
11.4
11.4
78.5
R5.0

97.0
94.0
79.0
112.0
R5.0 TYP

M3 x 20 LONG STEEL WELD STUDS OR EQUIVALENT.

ABC 5
X

Connection Details

Pins

row A	1	2	3	CAN
row B	4	5	6	CLR
row C	7	8	9	?
row D	*	0	#	ENT

1
2
3 column 1
4 column 2
5 column 3
6 column 4
7
8

illumination
0 V
+5V
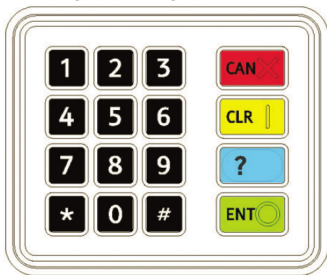
pin 1
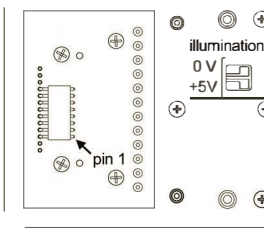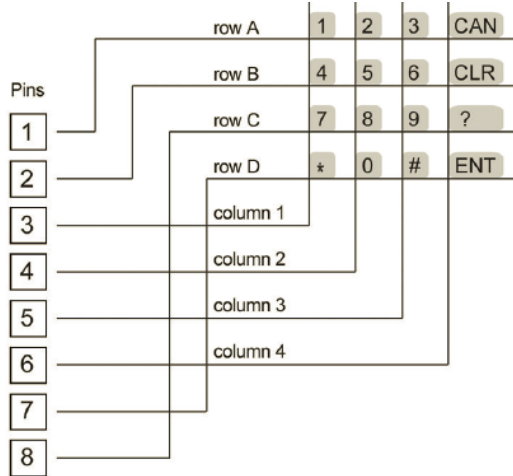
Keypad connector
8-position, 0.1" pitch, gold plated right angle pins w/friction lock
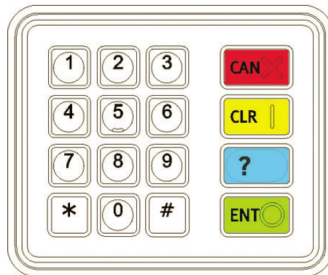mates with: **Molex 22013087**

Illumination connector
2-position, disconnectable
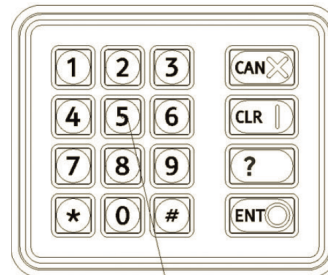mates with: **JST PHR-2**

Keypad Layouts

1	2	3	CAN
4	5	6	CLR
7	8	9	?
*	0	#	ENT

All other keys are black polymer, laser marked white.

All other keys are metal, engraved and infilled black

5 Key has central homepip

All keys are translucent white marked with black characters

Red Polymer Key with raised cross
Yellow Polymer Key with raised vertical bar
Blue Polymer Key no raised feature
Green Polymer Key with raised circle

Red Illumination with raised cross
Yellow Illumination with raised vertical bar
Blue Illumination no raised feature
Green Illumination with raised circle

Electrical

Keypad Operating Voltage	24V DC (max)
Keypad Operating Current	50mA (max)
Contact Resistance	100 ohms (max)
Illumination Voltage	5V DC (separate connector)

Mechanical

Minimum Operational Life	4 million cycles/key
Keytop Travel	1.5 mm
Actuation Force	150 gm

Environmental

Operating Temperature	-20°C to 60°C
Vandal Resistant	20J BS EN 60068-2-75: 1997
Weather Resistant	IP65 (where mounted to a suitable enclosure – panel mount gasket included)

Ordering Details

Part No.	Description
8616-21002[x]	Laser Engraved polymer Keys
8616-31002[x]	Engraved Metal Keys
8616-41002[x]	Illuminated Polymer Keys
8600-MK000[x]	Under Panel Mount Kit
4200-003	RS-232 Encoder (Requires connection via a cable which Storm does not supply)

c UL US
UL File reference: E230121

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CLR
ENT

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WWW