

storm 3000 Series Keypads



Responsive keypads for industrial use

- Reliable data entry in sheltered outdoor or indoor locations
- Weather, water and dust resistant (IP54)
- 4 key, 12 key and 16 key formats
- Raised "home pip" on the "5" key
- Simple 'row and column' circuit matrix, terminated by a male, gold-plated, square pin, 0.1" (2.54mm) pitch connector with locking ramp
- Can be fixed to a flat surface or under panel mounted for a flush, low profile installation



www.storm-interface.com

Storm Interface
products include
technology protected by
international patents
and design registration.
All rights reserved.



3K16T1 (Tel. Format)
3K1601 (Calc. Format)

All dimensions are in mm

Panel Cut-out Details for Under Panel Mounting

25.50 (4-Key)
64.00 (12-Key)
83.50 (16-Key)

74.00 (12-Key)
93.00 (16-Key)

93.00 (4, 12 & 16 Key)

R 3.75

Panel Cut-out Details for Top Panel Mounting

Countersunk Fixing Screws (Not Supplied)
(Threads must be sealed to prevent water ingress)

Sealing Gasket
(Not supplied with 4000 series)

Ø 4.5

27.50 (4, 12 & 16 Key)
93.00 (4, 12 & 16 Key)

10
24

74.00 (12-Key)
93.00 (16-Key)

Contact Bounce	5ms (max)
Contact Resistance	100 ohms (max)
Insulation Resistance	50 Mohms (min)
Breakdown Voltage	500V AC (max 60 secs.)
Operating Voltage	24V DC (max)
Operating Current	50mA (max)

Operational Life	2 million cycles (min) per key
Keytop Travel	1.4mm nominal
Actuation Force	180gms nominal
Connector	0.1" pitch, gold plated square pin, male connector

Water / Dust Sealed	IP54 (when mounted to suitable enclosure)
Operational Temperature	-10°C to +85°C (Dry)

Casing	General Service Polymer (mid grey)
Keypops	General Service Polymer (mid grey)
Keypop Legends	Engraved
Contact Circuit	Gold on Nickel plated FR4

Item	Stock No.	Notes
PC Interface	4200-00[x]	RS232
Rear Casing Providing space for additional components or circuitry (12 key formats only)	RC12020[x]	Supplied complete with fixing hardware, sealing gaskets and fixing instructions.
Blank Keytops set of four	1K0000[x]	Supplied without keytop graphics. Suitable for engraving.
Privacy Shield Provides PIN / Entry Code security	1KFS020[x]	Supplied complete with fixing hardware, sealing gaskets and fixing instructions. 12 key only.

CE

3000-LIT-01 Rev 4
Nov 2008



FM 39602

CONTACT MATRIX	
CONNEC. PIN	ROW/ COLUMN
1	common
2	D
3	C
4	B
5	A

CONTACT MATRIX	
CONNEX. PIN	ROW/COLUMN
1	A
2	B
3	1
4	2
5	3
6	-
7	D
8	C

CONTACT MATRIX	
CONNEX. PIN	ROW/ COLUMN
1	A
2	B
3	1
4	2
5	3
6	4
7	D
8	C



Storm Interface products include technology protected by international patents and design registration. All rights reserved.