

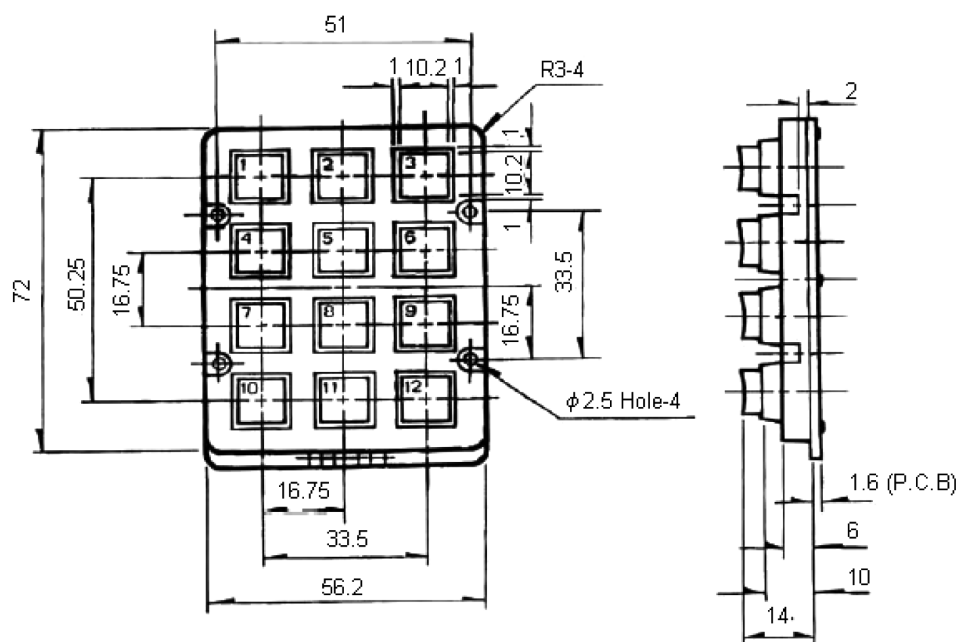
# Keypad

## Plastic, IP67



### Specifications:

|                          |                            |
|--------------------------|----------------------------|
| Contact Rating           | : 20mA, 24V DC             |
| Max. Contact Resistance  | : 200Ω                     |
| Life                     | : 1,000,000 cycles per key |
| Operating Temp.          | : -20°C to +60°C           |
| Storage Temp.            | : -40°C to +65°C           |
| Colour                   | : Black                    |
| Material                 | : Plastic                  |
| Waterproofing            | : Water Proof              |
| Keypad Array             | : 3 × 4                    |
| Keypad Output            | : Matrix                   |
| Panel Cutout Width       | : 56.2mm                   |
| Panel Cutout Height      | : 72mm                     |
| No. of Keys              | : 12                       |
| External Length / Height | : 10mm                     |
| Fixing Centres L × W     | : 51.2mm × 33.5mm          |
| IP / NEMA Rating         | : IP67                     |
| Operating Force          | : 1.18N                    |
| Travel                   | : 2mm                      |
| Actuating Force          | : 120 ±30g                 |
| Stroke                   | : 2 ±0.5mm                 |



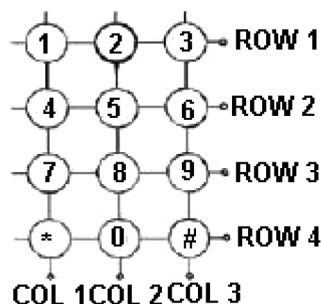
Dimensions : Millimetres

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### Standard Matrix Circuit Diagram:



| Output Arrangement |        |
|--------------------|--------|
| Output Pin Number  | Symbol |
| 1                  | COL 2  |
| 2                  | ROW 1  |
| 3                  | COL 1  |
| 4                  | ROW 4  |
| 5                  | COL 3  |
| 6                  | ROW 3  |
| 7                  | ROW 2  |

### Part Number Table

| Description                      | Part Number   |
|----------------------------------|---------------|
| Keypad, IP67 Black Plastic 3 × 4 | MCAK207NBBWWP |

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