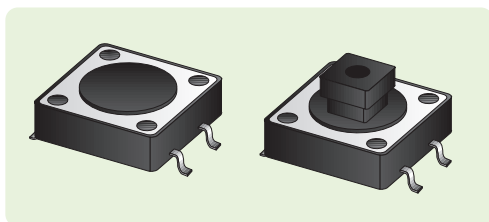


DIPTRONICS type DTSM-2



A range of 12 x 12mm size surface mount tactile switches offering a choice of button style and packaging method.
High reliability with 500,000 cycle electrical life expectancy.



- ◆ 12 x 12mm size
- ◆ Surface mount
- ◆ Positive 'click' action and tactile feedback
- ◆ Choice of button style
- ◆ SPNO momentary contacts
- ◆ 4 terminal mounting
- ◆ High reliability, longer life
- ◆ Supplied in sticks or taped & reeled

Specification

Contact arrangement single pole, single throw 4 terminal normally open, momentary action
Contact rating 50mA, 12Vdc
Contact resistance 100mΩ max.
Operating force 160 ±50gf (brown button)

Travel 0.35mm
Insulation resistance 100MΩ min. at 500Vdc
Dielectric strength 250Vac for 1 minute
Operating temp. range -25°C to +70°C
Life expectancy 500,000 cycles min. (electrical)

Choice of button style and packaging method.

STICK



| Button Style | Button Length | Manf. Part No. | anglia |
|--------------|---------------|----------------|------------|
| | | | Order Code |
| Round | 4.3 (L) | DTSM-21N-B | ST122 |
| Square | 7.3 (L1) | DTSM-24N-B | ST121 |

anglia
Order Code
ST122
ST121

TAPE & REEL

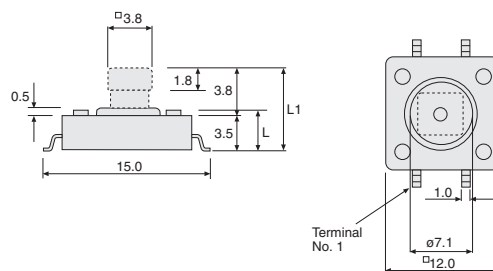


| Button Style | Button Length | Manf. Part No. | anglia |
|--------------|---------------|----------------|------------|
| | | | Order Code |
| Round | 4.3 (L) | DTSM-21N-T/R | ST122R |
| Square | 7.3 (L1) | DTSM-24N-T/R | ST121R |

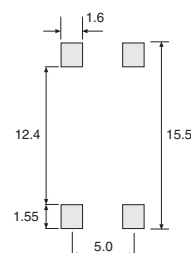
anglia
Order Code
ST122R
ST121R

TACTILE SWITCH CAPS
Round or Square
suitable for square button switches
see page 737

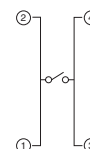
Dimensions (mm)



Pad pattern



Circuit Diagram

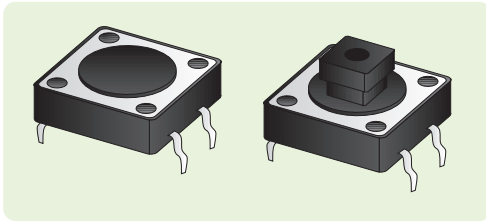


Packaging

TAPE : 24mm wide, 16mm pitch REEL : 330mm dia.

DIPTRONICS type DTS-2

A range of 12 x 12mm size pcb mounting tactile switches offering a choice of button style and operating force. High reliability with up to 500,000 cycle electrical life expectancy.



- ◆ 12 x 12mm size
- ◆ Positive 'click' action and tactile feedback
- ◆ Choice of button style and operating force
- ◆ SPNO momentary contacts
- ◆ 4 terminal mounting
- ◆ High reliability, longer life
- ◆ Established footprint

Specification

Contact arrangement..... single pole, single throw 4 terminal normally open, momentary action
 Contact rating 50mA, 12Vdc
 Contact resistance..... 100mΩ max.
 Operating force..... 160 ±50gf (brown button)
 260 ±50gf (red button)

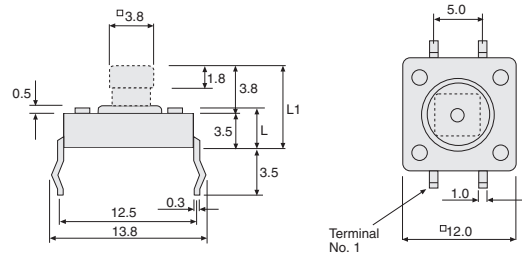
Travel 0.35mm
 Insulation resistance..... 100MΩ min. at 500Vdc
 Dielectric strength..... 250Vac for 1 minute
 Operating temp. range..... -25°C to +70°C
 Life expectancy..... 160gf = 500,000 cycles min. (electrical)
 260gf = 50,000 cycles min. (electrical)

Choice of button style and operating force.

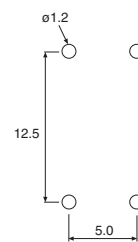
| Button Length | Operating Force (gf) | Manf. Part No. | anglia Order Code |
|----------------------|----------------------|----------------|-------------------|
| ROUND BUTTON | | | |
| 4.3 (L) | 160 | DTS-21N | 448122 |
| 4.3 (L) | 260 | DTS-21R | 448122B |
| SQUARE BUTTON | | | |
| 7.3 (L1) | 160 | DTS-24N | 448121 |
| 7.3 (L1) | 260 | DTS-24R | 448121B |

TACTILE SWITCH CAPS
 Round or Square
 suitable for square button switches
 see page 737

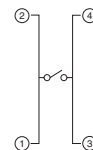
Dimensions (mm)



Footprint



Circuit Diagram



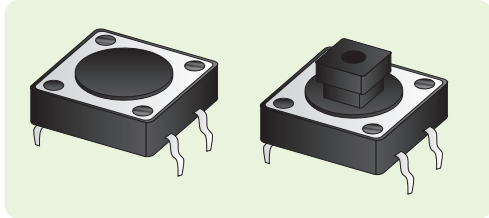
For the very latest information and news on the full range of Diptronics products available from Anglia, visit our website : www.anglia.com/diptronics

Alternatively, contact our Sales Desk to discuss your specific requirements.



OMRON type B3W

A range of through hole washable tactile switches with a choice of button style and operating force. Designed to meet the increasing demand for sealed tactile switches to withstand pcb washing. High reliability with up to 3,000,000 operations life expectancy.



- ◆ 12 x 12mm size
- ◆ Positive 'click' action and tactile feedback
- ◆ Choice of button style and operating force
- ◆ SPNO momentary contacts
- ◆ 4 terminal mounting
- ◆ High reliability, longer life
- ◆ Established footprint

Specification

Contact arrangement..... single pole, single throw 4 terminal normally open, momentary
 Contact rating 50mA, 24Vdc
 Contact resistance..... 100mΩ max.
 Bounce time 5ms max.

Travel 0.3mm
 Insulation resistance..... 100MΩ min. at 250Vdc
 Dielectric strength..... 500Vac for 1 minute
 Operating temp. range..... -25°C to +70°C
 Life expectancy..... 200gf = 3,000,000 ops min.
 350gf = 1,000,000 ops min.

Choice of button style and operating force.

| Button Length | Operating Force (gf) | LOOSE | STICK |
|----------------------|----------------------|------------------------------------|------------------------------------|
| | | Manf. Part No. & Anglia Order Code | Manf. Part No. & Anglia Order Code |
| ROUND BUTTON | | | |
| 4.3 (L) | 200 | B3W-4000 | B3W-4000S |
| 4.3 (L) | 350 | B3W-4005 | B3W-4005S |
| SQUARE BUTTON | | | |
| 7.3 (L1) | 200 | B3W-4050 | — |
| 7.3 (L1) | 350 | B3W-4055 | — |

OPTIONS

- Versions with grounding pin for ESD
- Other operating forces
- A wide variety of keycaps

Available to special order

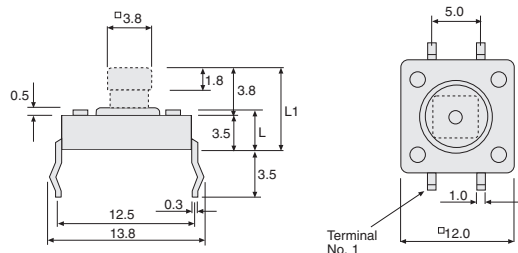


For the very latest information and news on the full range of OMRON products available from Anglia, visit our website :

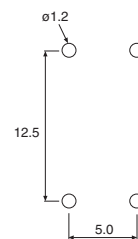
www.anglia.com/omron

Alternatively, contact our Sales Desk to discuss your specific requirements.

Dimensions (mm)



Footprint



Circuit Diagram

