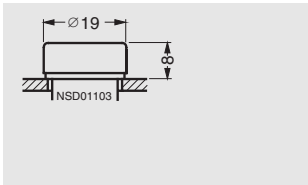# 3SB2 Pushbutton Units and Indicator Lights, 16 mm
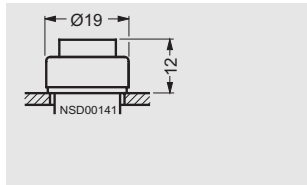
■ Dimensional drawings

Actuators

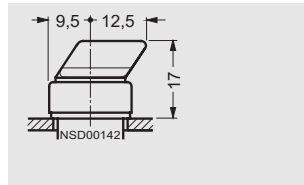**Pushbutton or illuminated pushbutton** with flat button

NSD01103

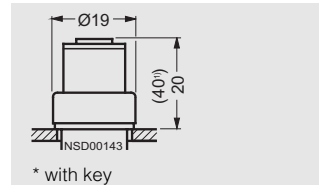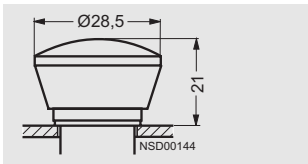**Pushbutton or illuminated pushbutton** with raised button
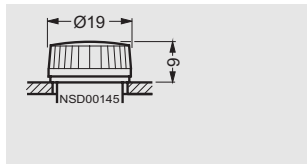

NSD00141

Selector switch

NSD00142

CES key-operated switch

NSD00143

* with key

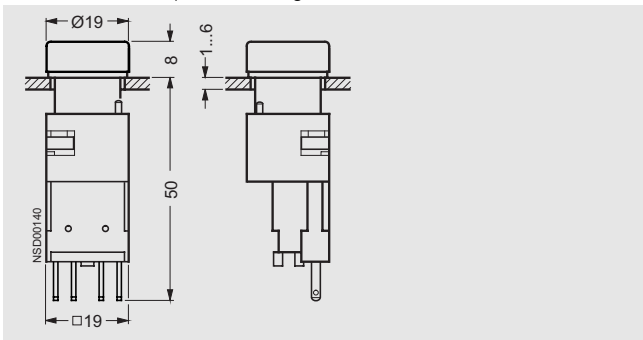**EMERGENCY-STOP mushroom pushbutton** according to ISO 13850 or EN 418

NSD00144

Indicator light

NSD00145

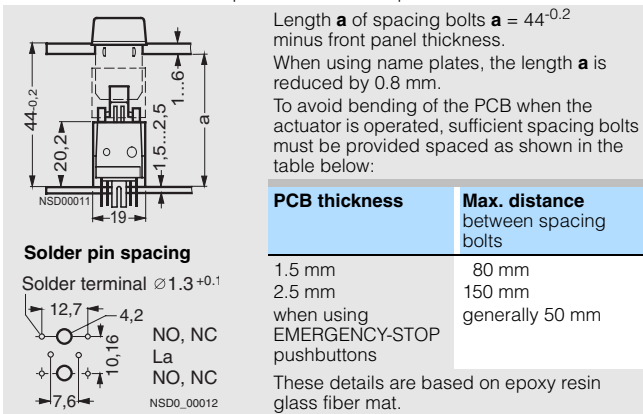### *Contact blocks with flat connector*

Pushbutton and contact block
with holder for front panel mounting

NSD00140

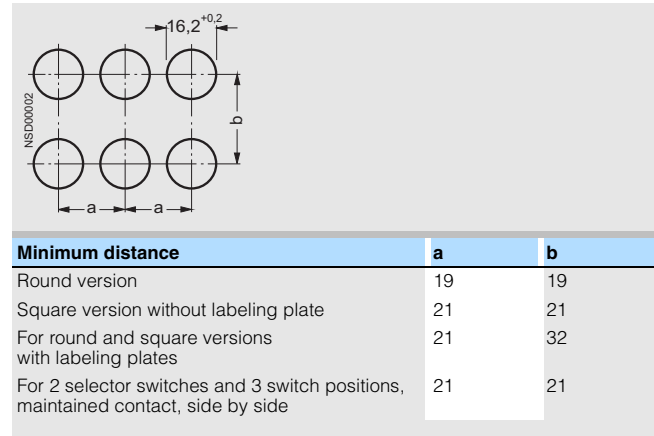### *Contact blocks with solder pins for use on printed circuit boards*

Illuminated pushbutton
with contact block and lampholder with solder pins

NSD00011

Length **a** of spacing bolts $a = 44^{-0.2}$ minus front panel thickness.

When using name plates, the length **a** is reduced by 0.8 mm.

To avoid bending of the PCB when the actuator is operated, sufficient spacing bolts must be provided spaced as shown in the table below:

PCB thickness	Max. distance between spacing bolts
1.5 mm	80 mm
2.5 mm	150 mm
when using EMERGENCY-STOP pushbuttons	generally 50 mm

These details are based on epoxy resin glass fiber mat.

Solder pin spacing

Solder terminal $\varnothing 1.3^{+0.1}$

NO, NC
La
NO, NC

NSD0_00012

Mounting dimensions

Switching elements and indicator lights
(except EMERGENCY-STOP mushroom pushbuttons)

NSD00002

Minimum distance	a	b
Round version	19	19
Square version without labeling plate	21	21
For round and square versions with labeling plates	21	32
For 2 selector switches and 3 switch positions, maintained contact, side by side	21	21

Accessories

Complete plug

NSD00149