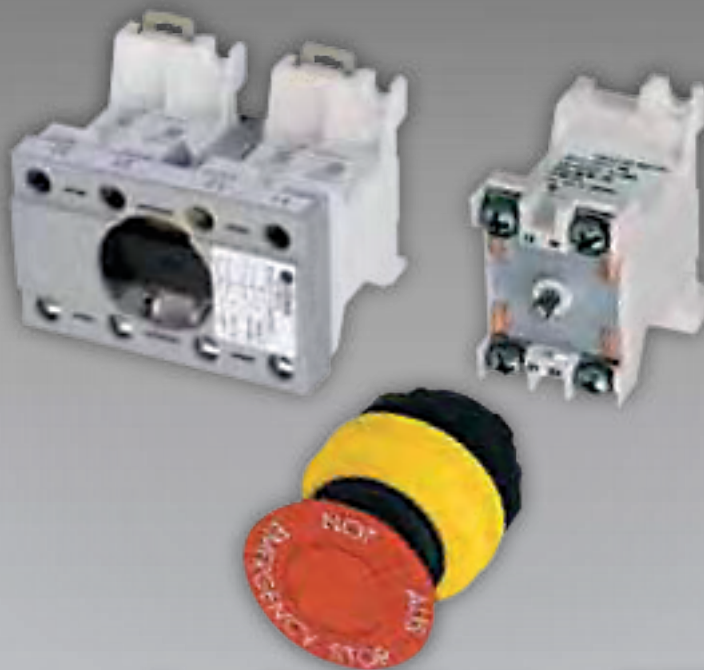




**Plant Products**

Connecting Business



Mushroom-head pushbutton SGTE



**Control Stations**

## Built-in components - mushroom-head pushbutton



SGTE 1 x 2-pole



SGTE 1 x 4-pole



SGT 1 x 2-pole



SGT 1 x 4-pole

### Technical data

#### Ex-mushroom-head pushbutton (emergency stop „SGTE“ and normal version „SGT“)

|  |   |
|--|---|
| Marking accd. to 2014/34/EU                              | ⊕ II 2 G Ex de IIC/IIB Gb / ⊕ I M2 Ex de I Mb   |
| EC-Type Examination Certificate                          | IBExU 14 ATEX 1030 U  |
| IECEX Certificate of Conformity                          | IECEX IBE 14.0005U  |
| Marking accd. to IECEx                                   | Ex de IIC Gb<br>Ex de IIB Gb<br>Ex de I Mb  |
| Operating temperature range                              | -45 °C up to +80 °C (IIC)<br>-60 °C up to +80 °C (IIB)  |
| Application temperature <sup>1)</sup>                    | -45 °C up to +55 °C (IIC)<br>-60 °C up to +55 °C (IIB)  |
| Rated voltage  | 500 V AC  |
| Rated current  | 16 A  |
| Rated current with gold contact points                   | 0.4 A   |
| Rated making-/rated breaking capacity accd. EN 60947-5-1 | AC-15: U <sub>e</sub> 250 V / I <sub>e</sub> 6 A<br>U <sub>e</sub> 500 V / I <sub>e</sub> 4 A<br>DC-13: U <sub>e</sub> 24 V / I <sub>e</sub> 6 A<br>U <sub>e</sub> 220 V / I <sub>e</sub> 1 A |
| Degree of protection accd. to EN 60529                   | IP66 (installed condition)  |
| Type of mounting   | DIN rail mounting   |
| Enclosure colour   | grey  |
| Gasket material  | Neoprene (standard), Fluoric Silicone or Viton on request   |

#### 2-pole version

|                        |                         |
|------------------------|-------------------------|
| Connecting terminals   | 2 x 2.5 mm <sup>2</sup> |
| Dimensions (L x W x H) | 59 x 31 x 45 mm         |
| Weight                 | 0.15 kg                 |

#### 4-pole version

|                        |                         |
|------------------------|-------------------------|
| Connecting terminals   | 4 x 2.5 mm <sup>2</sup> |
| Dimensions (L x W x H) | 59 x 73 x 45 mm         |
| Weight                 | 0.35 kg                 |

<sup>1)</sup> The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.4.34/35.

<sup>2)</sup> The 4-pole pushbutton needs two mounting areas.  
The actuator will be in the middle of the two mounting areas.  
The pushbutton „Emergency Stop“ will be equipped with a black plate in the centre of the pushbutton actuator.

## Built-in components - mushroom-head pushbutton



SGT 1 x 4-pole



SGT 1 x 2-pole



SGTE 1 x 4-pole



SGTE 1 x 2-pole

### Ordering code for component (Code 2)

| Code | Component                                 | Code                  |                       |                     |
|------|---|-----------------------|-----------------------|---------------------|
|      |   | silver contact points | gold contact points   |                     |
| A    | Mushroom-head pushbutton                  | <b>SGT</b>            |                       |                     |
|      | Mushroom-head pushbutton (emergency stop) | <b>SGTE</b>           |                       |                     |
| Code | Circuit                                   | Contacts              | Code                  |                     |
|      |   |                       | silver contact points | gold contact points |
| C    | 2 NC                                      |                       | 13                    | 16                  |
|      | 2 NO                                      |                       | 14                    | 17                  |
|      | 1 NO + 1 NC                               |                       | 15                    | 18                  |
|      | 4 NC                                      |                       | 20                    | 25                  |
|      | 1 NC + 3 NO                               |                       | 21                    | 26                  |
|      | 2 NC + 2 NO                               |                       | 22                    | 27                  |
|      | 3 NC + 1 NO                               |                       | 23                    | 28                  |
|      | 4 NO                                      |                       | 24                    | 29                  |

## Built-in components - mushroom-head pushbutton



SGTE 1 x 2-pole



SGTE 1 x 4-pole



SGT 1 x 2-pole



SGT 1 x 4-pole

### Ordering code for component (Code 2)

| Code | Label | Inscription                                     | Code      | Inscription    | Code |
|------|-------|---|-----------|----------------|------|
| D    |       | emergency stop (German - English) <sup>1)</sup> | 1         | 0              | 002  |
|      |       | emergency stop (German - French) <sup>1)</sup>  | 4         | I I            | 004  |
|      |       | 0, I, START, STOP                               | 01        | STOP           | 006  |
|      |       | 0   | 02        | emergency stop | 008  |
|      |       | I   | 03        | SCHNELL        | 010  |
|      |       | I I   | 04        | -              | 012  |
|      |       | ☹   | 05        | MARCHE         | 015  |
|      |       | STOP  | 06        | AB             | 017  |
|      |       | START   | 07        | Neutral green  | 019  |
|      |       | LANGSAM   | 09        | UP             | 024  |
|      |       | SCHNELL   | 10        | ZU             | 026  |
|      |       | -   | 12        | OFF            | 028  |
|      |       | ARRET   | 14        | -              | 031  |
|      |       | MARCHE  | 15        | Neutral yellow | 034  |
|      |       | 0, I, Arret, Marche                             | 20        | AUS            | 037  |
|      |       | UP  | 24        | HAND           | 050  |
|      |       | DOWN  | 25        | HEBEN          | 052  |
|      |       | ZU  | 26        | RECHTS         | 054  |
|      |       | ON  | 27        | SLOW           | 056  |
|      |       | OFF   | 28        | OPEN           | 058  |
|      |       | +   | <b>30</b> |                |      |
|      |       | -   | <b>31</b> |                |      |

| Code | Mushroom head inscription | Colour               | Code |
|------|---------------------------|----------------------|------|
| E    |                           | red                  | 1    |
|      |                           | yellow <sup>2)</sup> | 2    |
|      |                           | black <sup>2)</sup>  | 3    |

#### pushbutton

| Code | Function | released     | engaged      | unlocking                 | Code            |
|------|----------|--------------|--------------|---------------------------|-----------------|
| F    |          | not lockable | not lockable | n/a (pushbutton function) | 1 <sup>2)</sup> |
|      |          | not lockable | lockable     | hand released             | 2               |
|      |          | not lockable | lockable     | key released              | 3               |

1) only SGTE

2) only SGT

## Built-in components - mushroom-head pushbutton



SGT 1 x 4-pole



SGT 1 x 2-pole



SGTE 1 x 4-pole



SGTE 1 x 2-pole

### Ordering code for component (Code 2)

Circuit

Ordering code

A

C

D

E

F

### EMERGENCY STOP mushroom-head pushbutton red, with silver contact points

#### Version with inscription D/E, hand released

|             |        |    |   |   |   |
|-------------|--------|----|---|---|---|
| 2 NC        | SGTE 0 | 13 | 1 | 1 | 2 |
| 2 NO        | SGTE 0 | 14 | 1 | 1 | 2 |
| 1 NO + 1 NC | SGTE 0 | 15 | 1 | 1 | 2 |
| 2 NO + 2 NC | SGTE 0 | 22 | 1 | 1 | 2 |
| 4 NC        | SGTE 0 | 20 | 1 | 1 | 2 |
| 4 NO        | SGTE 0 | 24 | 1 | 1 | 2 |
| 3 NO + 1 NC | SGTE 0 | 21 | 1 | 1 | 2 |
| 1 NO + 3 NC | SGTE 0 | 23 | 1 | 1 | 2 |

### Mushroom-head pushbutton with silver contact points, without locking, mushroom head, black

#### Version with standard label (0, I, START, STOP)

|             |       |    |    |   |   |
|-------------|-------|----|----|---|---|
| 2 NC        | SGT 0 | 13 | 01 | 3 | 1 |
| 2 NO        | SGT 0 | 14 | 01 | 3 | 1 |
| 1 NO + 1 NC | SGT 0 | 15 | 01 | 3 | 1 |
| 2 NO + 2 NC | SGT 0 | 22 | 01 | 3 | 1 |
| 4 NC        | SGT 0 | 20 | 01 | 3 | 1 |
| 4 NO        | SGT 0 | 24 | 01 | 3 | 1 |
| 3 NO + 1 NC | SGT 0 | 21 | 01 | 3 | 1 |
| 1 NO + 3 NC | SGT 0 | 23 | 01 | 3 | 1 |

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