



10635E00

- > For use in areas subject to dust explosion hazards
- > Enclosures in glass fibre reinforced polyester resin
- > Modular design
- > 3 sizes available
- > Individual units can be combined into larger units
- > Standard and customer-specific versions
- > Versions with contact G082 for use up to SIL 3




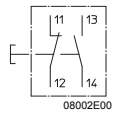


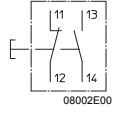


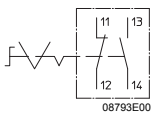

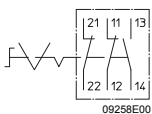


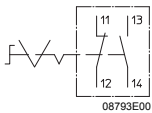

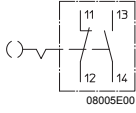


The control unit system ConSig, Series 7040 can be used to combine different control devices in a clear layout for applications in areas subject to dust explosion hazards. Due to the 3 available sizes and the modular design, the devices can be used for almost every application.


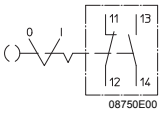

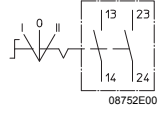

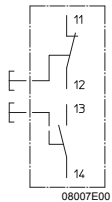

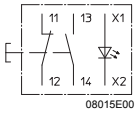

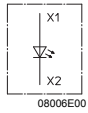
As an option, flanges in brass or polyester resin, metal plates for the assembly of metal cable glands and an attachable equipment identification plate are available.

| Zone | ATEX | | | | | |
|------------|------|---|---|----|----|----|
| | 0 | 1 | 2 | 20 | 21 | 22 |
| For use in | | | | | x | x |


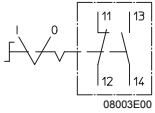

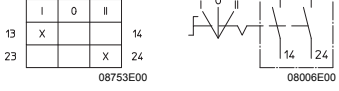



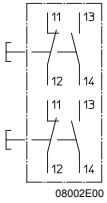



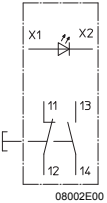
Selection Table

| Design | | | | Order number | Weight kg |
|--|---------------------|--|---|-----------------------------|--------------|
| Pushbutton  <small>01648E00</small> | | green  <small>09240E00</small> red  <small>09240E00</small> |  <small>08002E00</small> | 7040/1180X-01L50BA05 | 0.370 |
| Mushroom button  <small>05792E00</small> | ∅ 38 mm | black  <small>09240E00</small> |  <small>08002E00</small> | 7040/1180X-03L24BA05 | 0.400 |
| Mushroom stay-put button  <small>05712E00</small> | ∅ 38 mm EM-STOP | red  <small>05600E00</small> |  <small>08793E00</small> | 7040/1180X-10L07BA05 | 0.410 |
| | | red  <small>05600E00</small> |  <small>09258E00</small> | 7040/1180X-10L07BA08 | 0.410 |
| Mushroom stay-put button  <small>04679E00</small> | ∅ 55 mm EM-STOP | red  <small>05600E00</small> |  <small>08793E00</small> | 7040/1180X-15L07BA05 | 0.450 |
| Mushroom stay-put key button  <small>05769E00</small> | ∅ 38 mm red EM-STOP | |  <small>08005E00</small> | 7040/1180X-09XXXBA05 | 0.450 |






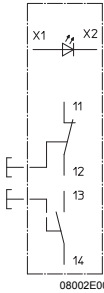




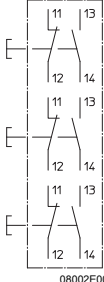





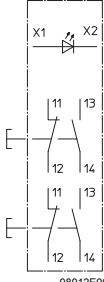
Selection Table

| Design | | Order number | Weight kg |
|---|---|-------------------------------|--------------|
| <p>Key-operated switch</p>  <p>05798E00</p> | <p>2 switching positions key removable in 0 + I</p>  <p>08750E00</p> | 7040 / 1180X-08M01XA05 | 0.450 |
| <p>Key-operated switch</p>  <p>05725E00</p> | <p>3 switching positions key removable in I + 0 + II</p>  <p>08752E00</p> | 7040 / 1180X-08M03XA04 | 0.450 |
| <p>Double pushbutton</p>  <p>05710E00</p> | <p>green 09240E00</p> <p>red 09240E00</p>  <p>08007E00</p> | 7040 / 1180X-23D01BA05 | 0.400 |
| <p>LED illuminated pushbutton</p>  <p>05797E00</p> | <p>spring return</p> <p>All colour filters included (clear, red, yellow, green, blue)</p>  <p>08015E00</p> | 7040 / 1180X-35C06BA45 | 0.400 |
| <p>LED indicating lamp</p>  <p>05800E00</p> | <p>All colour filters included (clear, red, yellow, green, blue)</p>  <p>08006E00</p> | 7040 / 1180X-54C06XXXX | 0.370 |

Selection Table





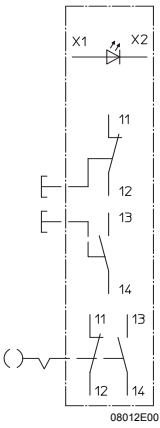
| Design | | Order number | Weight kg |
|---|--|--|--------------|
| <p>Selector switch with contact G082</p>  <p>05794E00</p> | <p>2 switching positions</p>  <p>08003E00</p> | <p>7040 / 1180X-26M01XA05</p> | <p>0.420</p> |
| <p>Selector switch with contact G082</p>  <p>05801E00</p> | <p>3 switching positions</p>  <p>08753E00</p> | <p>7040 / 1180X-26M03XA04</p> | <p>0.420</p> |
| <p>Twin pushbutton</p>  <p>05771E00</p> | <p>green</p>  <p>09240E00</p> <p>red</p>  <p>09240E00</p>  <p>08002E00</p> | <p>7040 / 1280X-01L13BA05-01L08BA05</p> | <p>0.460</p> |
| <p>LED indicating lamp and OFF button</p>  <p>05772E00</p> | <p>All colour filters included (clear, red, yellow, green, blue)</p> <p>red</p>  <p>09767E00</p>  <p>09240E00</p>  <p>08002E00</p> | <p>7040 / 1280X-54C06XXXX-01L08BA05</p> | <p>0.460</p> |

Selection Table

| Design | | Order number | Weight |
|---|--|--|--------------|
| | | | kg |
| <p>LED indicating lamp with double pushbutton</p>  <p>02314E00</p> | <p>All colour filters included (clear, red, yellow, green, blue)</p> <p>green</p>  <p>09767E00</p> <p>red</p>  <p>09240E00</p>  <p>09240E00</p>  <p>09240E00</p>  <p>08002E00</p> | <p>7040 / 1280X-54C06XXX-23D01BA16</p> | <p>0.540</p> |
| <p>Tripple pushbutton</p>  <p>05802E00</p> | <p>green</p>  <p>09240E00</p> <p>red</p>  <p>09240E00</p> <p>green</p>  <p>05568E00</p>  <p>08002E00</p> | <p>7040 / 1380X-01L13BA05-01L08BA05-01L15BA05</p> | <p>0.580</p> |
| <p>2 pushbuttons with LED indicating lamp</p>  <p>03118E00</p> | <p>All colour filters included (clear, red, yellow, green, blue)</p> <p>green</p>  <p>09767E00</p> <p>red</p>  <p>09240E00</p>  <p>09240E00</p>  <p>09240E00</p>  <p>08012E00</p> | <p>7040 / 1380X-54C06XXX-01L13BA05-01L08BA05</p> | <p>0.580</p> |

E4

Selection Table

| Design | | Order number | Weight kg |
|--|--|---|--------------|
| <p>Twin pushbutton with mushroom stay-put key button and LED indicating lamp</p>  <p>02315E00</p> | <p>All colour filters included (clear, red, yellow, green, blue)</p> <p>green</p>  <p>09767E00</p> <p>red</p>  <p>09240E00</p> <p>red</p>  <p>09240E00</p>  <p>08012E00</p> | <p>7040/1380X-54C06XXX-23D01BA16-09XXXBA05</p> | <p>0.750</p> |
| <p>Attention: Any other actuator combination is available on request. For further information on actuator see control devices size 1.</p> | | | |

Explosion protection

Explosion protection

Europe (ATEX)
Dust

PTB 05 ATEX 1023
II 2 D IP65 T80°C, T100°C

Certifications and certificates

Certificates

ATEX

Technical data

Electrical data

Rated operational voltage max. 690 V AC
Rated operational current depends on components used

Ambient conditions

Ambient temperature - 20 ... + 40 °C
- 50 ... + 60 °C on request

Mechanical data

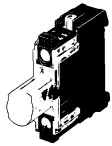

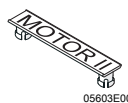
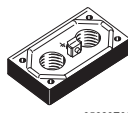
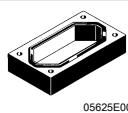
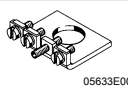

Degree of protection IP65 acc. to IEC/EN 60529
Material
Enclosure material Polyester resin, glass fibre-reinforced
Seal PU foam
Cover fixing with captive M4 stainless steel cheese-head screws

Mounting / Installation

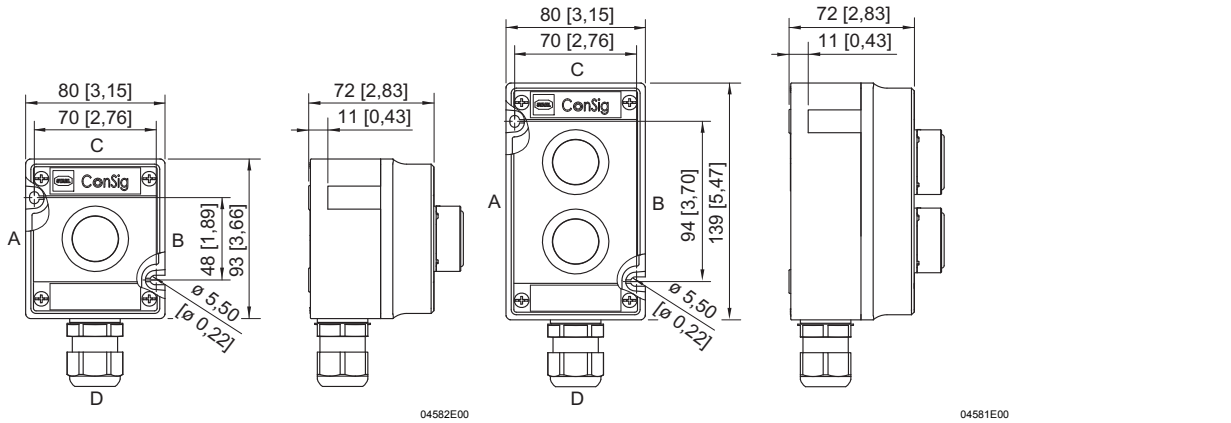
Cable entry
Standard 8161: 1 x M25 x 1.5, 8161, side D (below), directly mounted into the enclosure wall
Special 8161: 1 x M20 x 1.5, 1 x M25 x 1.5 in side C (top) and / or D (below)
Metal cable glands:
mounting in metal flange or via metal adapter plate

Flange
Standard without flange
Option with flange in polyester resin or brass

Accessories and Spare Parts

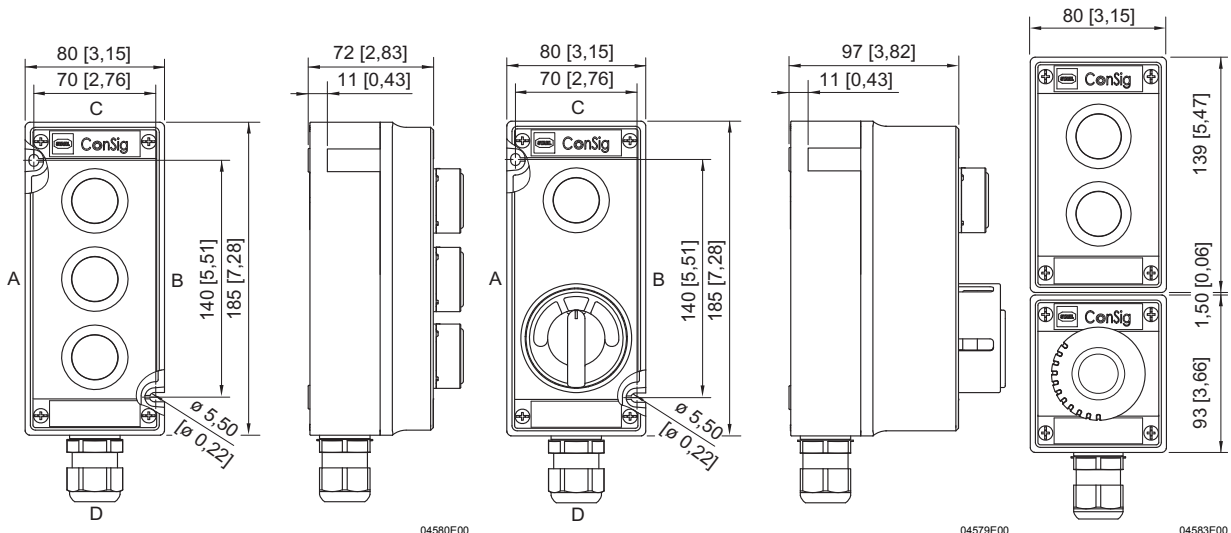
| Designation | Illustration | Description | Art. no. |
|--------------------------------|---|--|----------|
| G010 Indicating lamp |  10641E00 | indicating lamp NON-Ex Version: LED white | 128852 |
| G082 Contact element |  10640E00 | Contact element NON-Ex screw terminal, 1 NC, silver-nickel | 132638 |
| | | Contact element NON-Ex Screw terminal, 1 NO, silver nickel | 132642 |
| Tag label |  05603E00 | plain; for fitting onto enclosure 8040; moulded material; with paper insert strips | 130673 |
| Flange made of brass |  05628E00 | Assembly on sides C and D must be made in factory bores according to specification (up to M20 x 1.5 two threads are possible) | 130961 |
| | | with thread 1 x M 25 x 1.5 | 130962 |
| | | with thread 2 x M 20 x 1.5 | 130965 |
| Flange made of polyester resin |  05625E00 | Assembly on sides C and D must be made in factory dark-grey | |
| | | thread according to specification | 130964 |
| | | with thread 2 x M20 x 1.5 | 130971 |
| Brass plate |  05633E00 | for grounding cable glands made of metal Installation on sides C and D possible | |
| | | Threaded hole M20 x 1.5 | 130711 |
| Combination adaptor set |  05618E00 | Threaded hole M25 x 1.5 | 130718 |
| | | for combining 2 enclosures Attention! Lower enclosure: bore M25 in side C (top) is required Upper enclosure: bore M25 in side D (bottom) is required | 130956 |

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



ConSig 7040/11

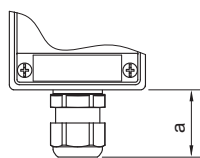
ConSig 7040/12



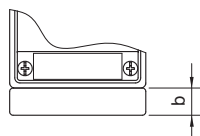
ConSig 7040/13

ConSig 7040/23

**ConSig 7040/11
and
ConSig 7040/12
combination**



Additional dimensions for cable glands
Series 8161



Additional dimensions for flanges

| | Dimension a [mm] | |
|-----|------------------|------|
| | min. | max. |
| M20 | 25 | 31 |
| M25 | 27 | 33 |

| Flanges | Dimension b [mm] |
|------------------|------------------|
| Brass | 16 |
| Moulded material | 16 |

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.