03-0330-0191/B-08/2021-200865

BARTEC

# ComEx Actuating elements

for Zone 1 and 21
Datasheet




**A large number of variants and versions of actuating elements are available for the ComEx control and indicator units. All actuating elements are made of high-quality thermoplastic and conform to the IP 66/IP 67 type of protection.**

To complete the actuating elements, there are useful accessories such as e. g. label holders, marking tags, metal shroud or nut wrench. Actuating elements for increased resistance to oil are available too. The actuating elements are mounted quickly and easily onto the ComEx control and indicating devices. Use in Zone 1 and 21 is certified.

- Easy installation
- Certified for Zone 1 and 21
- High IP degree of protection

Technical data subject to change without notice.

## Explosion protection

| | |
|---|---|
| Marking ATEX | Ex II 2G Ex eb IIC Gb<br>Ex II 2D Ex tb IIIC Db |
| Certification | CML 13 ATEX 3010 U |
| Marking IECEx | Ex eb IIC Gb<br>Ex tb IIIC Db |
| Certification | IECEx CML 14.0005 U |

Other approvals and certificates, see bartec.com

## Temperature range

| | |
|---|---|
| Service temperature | -40 °C to +70 °C<br>-55 °C to +70 °C* |
| Storage and transport temperature | -55 °C to +70 °C |

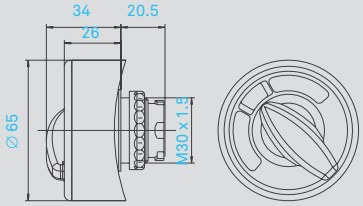
* related to explosion protection according to EN IEC 60079-0

## Technical Data

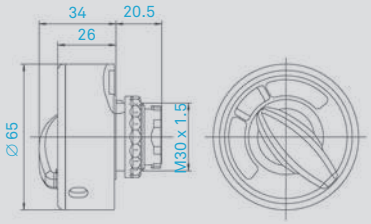
| | |
|---|---|
| Protection class | IP66/ IP67 |
| Weight | see table |
| Impact resistance | 7 Nm (Lamp actuators 4 Nm) |
| Material | Enclosure thermoplastic |
| Fastening | Installation in enclosures with wall thickness of 1 mm up to 6 mm (threading M30 x 1.5). Suitable for through-holes $30.3^{+0.3}$ mm |



For ComEx enclosure




For Control unit/ ComEx 316L

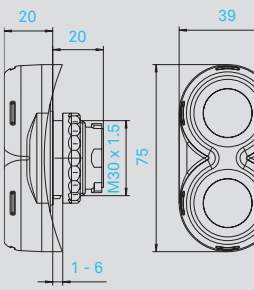



## Position selector switch (black)

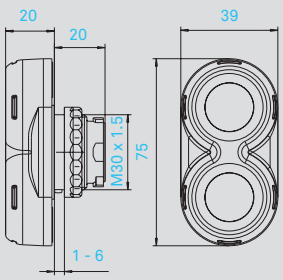
| Description | | Order no. |
|---|---|---|
| – with 2 or 3 switch positions with protective collar<br>– lockable* only for switch module (2-pole)<br>– weight 74 g | | |
| 0 - I latching | for control unit (flat) | 05-0003-007001 |
| | for ComEx enclosure | 05-0003-007101 |
| I - II latching | for control unit (flat) | 05-0003-007002 |
| | for ComEx enclosure | 05-0003-007102 |
| I - 0 - II bothsides latching | for control unit (flat) | 05-0003-007203 |
| | for ComEx enclosure | 05-0003-007303 |
| HAND - 0 - AUTO left latching right momentary | for control unit (flat) | 05-0003-007224 |
| | for ComEx enclosure | 05-0003-007324 |
| MAN - 0 - AUTO left latching right momentary | for control unit (flat) | 05-0003-007225 |
| | for ComEx enclosure | 05-0003-007325 |

* 3 boreholes in the protective collar to fit padlocks the switch position 0 (I) or to customer specifications






For ComEx enclosure

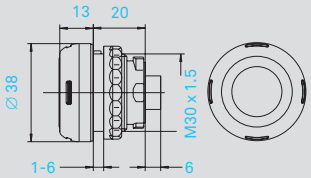



For Control unit/ ComEx 316L

## Double pushbutton actuator

| Description | Order no. |
|---|---|
| – 5 labels red, green, yellow, white, black, supplied loose<br>– weight 52 g | |
| for ComEx enclosures | 05-0003-007500 |
| for control units | 05-0003-007400 |

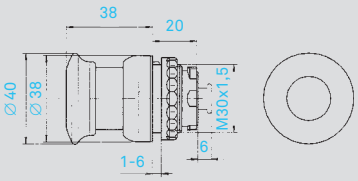





## Pushbutton

| Description | Order no. |
|---|---|
| – 5 labels red, green, yellow, white, black, supplied loose<br>– weight 24 g | |
| for ComEx enclosures | 05-0003-000700 |

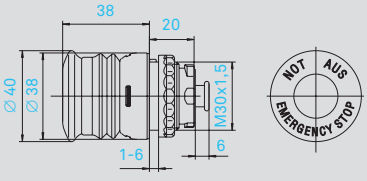





## Mushroom pushbutton

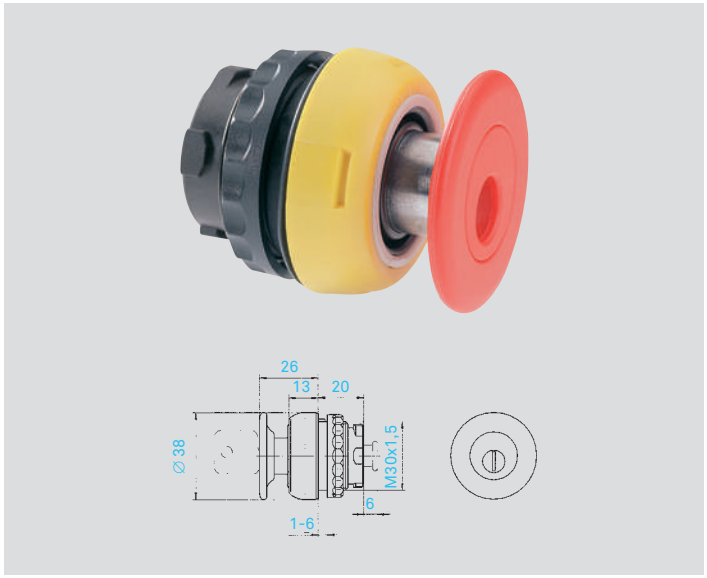
| Description | Order no. |
|---|---|
| – weight 74 g | |
| black, unlabelled | 05-0003-001800 |
| red, unlabelled | 05-0003-001802 |



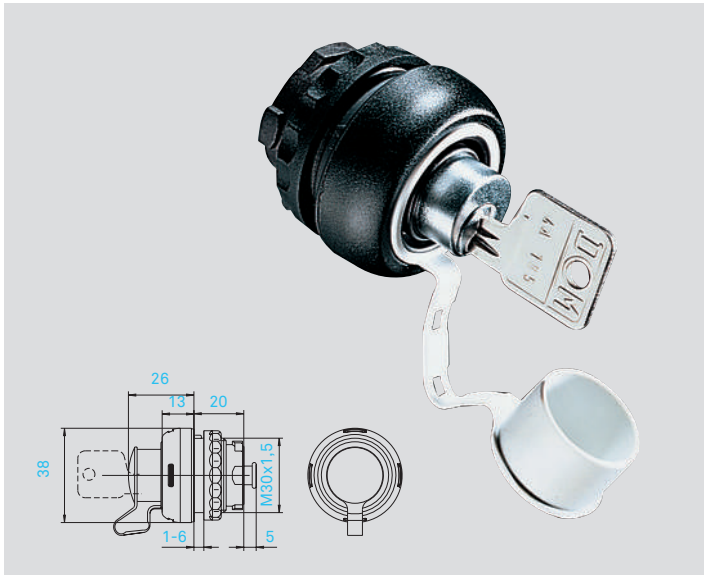

## Emergency stop slam button

| Description | Order no. |
|---|---|
| – weight 46 g<br>– DIN EN 60204-1: 2007<br>– DIN EN 60947-5-1: 2005 (VDE 0660 Teil 200) | |
| Pushbutton with imprint “NOT-AUS EMERGENCY STOP” “Pull to Release” | 05-0003-000800 |
| Pushbutton with imprint “ARRET” | 05-0003-000802 |
| Pushbutton yellow, unlabelled | 05-0003-000801 |
| Pushbutton black, unlabelled | 05-0003-000803 |
| Pushbutton red, unlabelled | 05-0003-000804 |




## Locking mushroom pushbutton

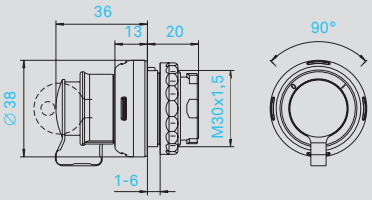
| Description | Order no. |
|---|---|
| – push in without key, unlock with key<br>– DOM lock 4 A 185<br>– weight 70 g | 05-0003-001203 |




## Lock

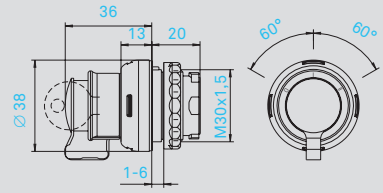
| Description | Order no. |
|---|---|
| – DOM lock 4 A 185<br>– weight 70 g | |
| Lockable in both positions,<br>key retractable in both positions | 05-0003-001200 |
| Lockable in depressed position,<br>key retractable in depressed position | 05-0003-001201 |
| Tip lock lockable in initial positions,<br>key retractable in initial positions | 05-0003-001202 |






2 switching positions





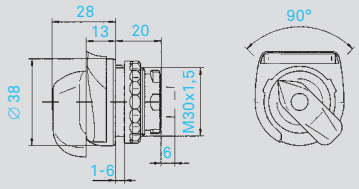

3 switching positions

## Key-operated switch

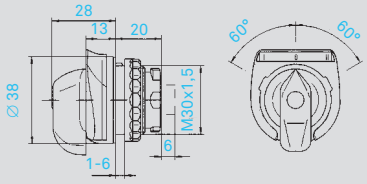
| Description | | Order no. |
|---|---|---|
| – Key-operated switch** RONIS lock 455<br>– with 2 or 3 switching positions,<br>– turned 90° for ComEx enclosures<br>– weight 49 g | | |
| 0 - I<br>latching<br>key retractable | for control units | 05-0003-007700 |
| | for ComEx enclosures | 05-0003-007800 |
| 0 - I<br>momentary contact<br>Position I, key not retractable | for control units | 05-0003-007701 |
| | for ComEx enclosures | 05-0003-007801 |
| 0 - I<br>latching<br>Position I, key not retractable | for control units | 05-0003-007702 |
| | for ComEx enclosures | 05-0003-007802 |
| I - 0 - II<br>(I + II latching)<br>key retractable | for control units | 05-0003-007900 |
| | for ComEx enclosures | 05-0003-008000 |
| I - 0 - II<br>(I + II momentary contact)<br>Position I + II<br>key not retractable | for control units | 05-0003-007901 |
| | for ComEx enclosures | 05-0003-008001 |



2 switching positions

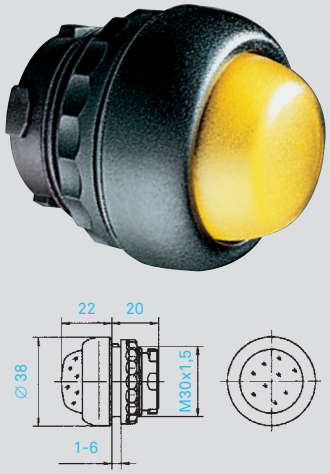



3 switching positions




## Position selector switch (black)

| Description | | Order no. |
|---|---|---|
| – with 2 or 3 switching positions<br>– weight 33 g | | |
| 0 - I<br>(latching) | for control units | 05-0003-000900 |
| | turned 90° for ComEx enclosures | 05-0003-000901 |
| 0 - I<br>(momentary) | for control units | 05-0003-000902 |
| | turned 90° for ComEx enclosures | 05-0003-000903 |
| I - 0 - II<br>(I + II latching) | for control units | 05-0003-001000 |
| | turned 90° for ComEx enclosures | 05-0003-001100 |
| I - 0 - II<br>(I + II momentary) | for control units | 05-0003-001001 |
| | turned 90° for ComEx enclosures | 05-0003-001101 |
| I - 0 - II<br>(I latching,<br>II momentary) | for control units | 05-0003-001002 |
| | turned 90° for ComEx enclosures | 05-0003-001102 |
| I - 0 - II<br>(I momentary,<br>II latching) | for control units | 05-0003-001003 |
| | turned 90° for ComEx enclosures | 05-0003-001103 |



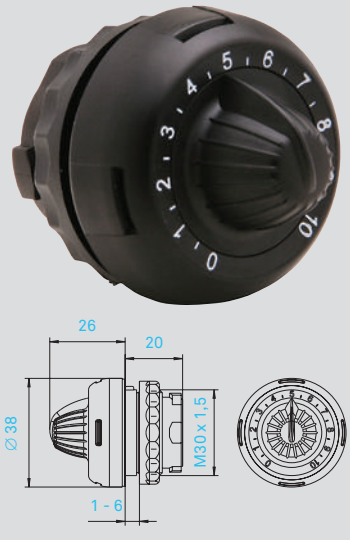

## Lamp module actuator

| Description | Order no. |
|---|---|
| – weight 19 g | |
| red | 05-0003-001300 |
| green | 05-0003-001400 |
| yellow | 05-0003-001500 |
| white | 05-0003-001600 |
| blue | 05-0003-001700 |



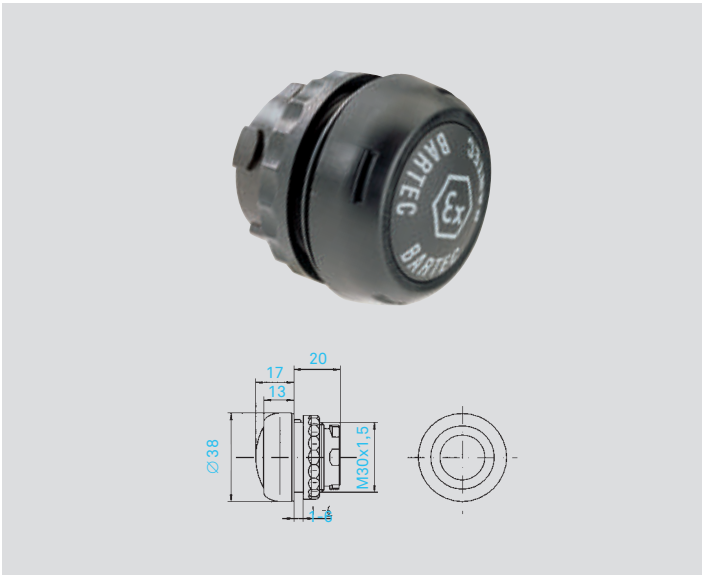

## Illuminated button actuator

| Description | Order no. |
|---|---|
| – weight 19 g | |
| red | 05-0003-006500 |
| green | 05-0003-006600 |
| yellow | 05-0003-006700 |
| white | 05-0003-006800 |
| blue | 05-0003-006900 |



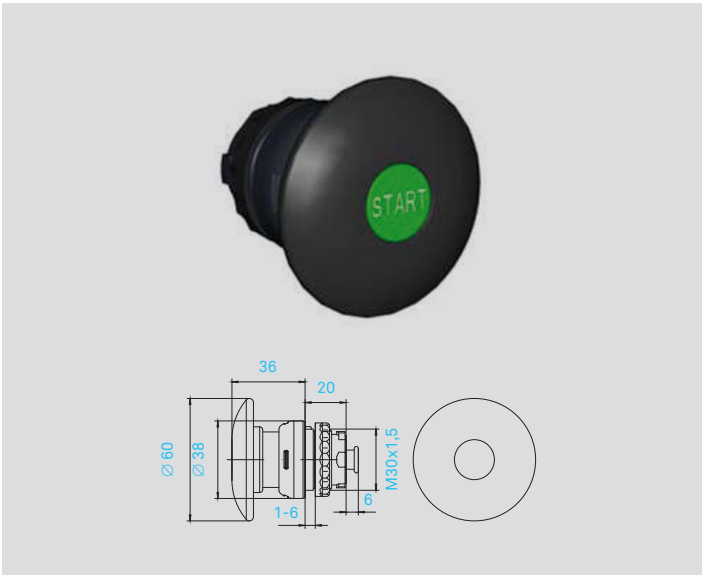

## Potentiometer actuator (black)

| Description | Order no. |
|---|---|
| – durable and abrasion-resistant scale gradation from 0 to 10<br>– weight 28 g | 05-0003-007600 |




## Blanking plug

| Description | Order no. |
|---|---|
| – to cover unused holes in the cover<br>– weight 20 g | 05-0003-001900 |

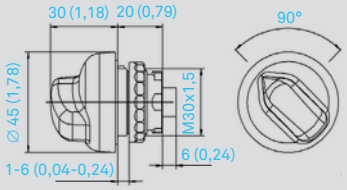



## Mushroom pushbutton (black)

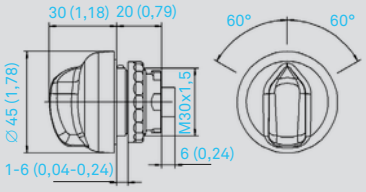
| Description | Order no. |
|---|---|
| – with pushbutton label "START"<br>– weight 24 g | |
| black | 05-0003-008200 |
| with pushbutton label “START” | 05-0003-008201 |



2 switching positions




3 switching positions




## Position selector switch BS

| Description | | Order no. |
|---|---|---|
| – black<br>– with 2 or 3 switching positions,<br>– turned 90° for ComEx enclosures<br>– weight 33 g (0.073 lb) | | |
| 0 - I | for control units | 05-0003-000900BS |
| | for ComEx enclosures | 05-0003-000901BS |
| I - 0 - II<br>(I + II latching) | for control units | 05-0003-001000BS |
| | for ComEx enclosures | 05-0003-001100BS |
| I - 0 - II<br>(I + II momentary contact) | for control units | 05-0003-001001BS |
| | for ComEx enclosures | 05-0003-001101BS |
| I - 0 - II<br>(I latching,<br>II momentary contact) | for control units | 05-0003-001002BS |
| | for ComEx enclosures | 05-0003-001102BS |
| I - 0 - II<br>(I momentary contact,<br>II latching) | for control units | 05-0003-001003BS |
| | for ComEx enclosures | 05-0003-001103BS |

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