



Actuating elements







Features

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

Description

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 65/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 with NBR sealing 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.

Explosion protection

Ex protection type

Ⓔx II 2G Ex e II
Ⓔx II 2D Ex td A21 IP 65, IP 66, IP 67
PTB 00 ATEX 3114 U

Ex e II
Ex tD A21 IP 65, IP 66, IP 67
IECEx PTB 08.0037U

Class I, Div. 2, Groups A, B, C, D
Class I, Zone 1, AEx e IIC, Ex e IIC
UL E184198
INMETRO 2003 EC02 CP088 U

0044

Ambient and operating temp. range

-55 °C to +70 °C (Zone 1)
-20 °C to +70 °C (Zone 21)

permitted for zones

Zone 1
Zone 21 (Min. requis IP 6X,
Temperature range -20 °C)

Technical data

Storage and transport temperature

-55 °C to +70 °C

Type of protection

See table

Impact resistance

7 Nm (Lamp actuators 4 Nm)

Material

Enclosure	thermoplastic
Sealings	EPDM, NBR for increased resistance to oil

Weight

See table

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

Protection class of the actuating elements

Description	Code	Temperature range **-55 °C to +70 °C**	Temperature range **-20 °C to +70 °C**
Position selector switch	05-0003-007...	IP 54	IP 66, IP 67
Double push button actuator	05-0003-0074.. (*BN) 05-0003-0075.. (*BN)	IP 54 IP 54	IP 6X IP 6X
Pushbutton	05-0003-000700 (*BN)	IP 54	IP 66, IP 67
Mushroom pushbutton	05-0003-001800 (*BN)	IP 54	IP 66, IP 67
Emergency Stop	05-0003-000800 (*BN)	IP 54	IP 66, IP 67
Locking mushroom pushbutton	05-0003-001203 (*BN)	IP 54	IP 66, IP 67
Lock (DOM)	05-0003-0012.. (*BN)	IP 54	IP 66, IP 67
Lock (RONIS)	05-0003-006100 (*BN)	IP 54	IP 66, IP 67
Position selector switch BS (2 positions)	05-0003-00090. BS	IP 54	IP 66, IP 67
Position selector switch BS (3 positions)	05-0003-001... BS	IP 54	IP 66, IP 67
Key switch (2 positions)	05-0003-007.... (*BN)	IP 54	IP 65
Key switch (3 positions)	05-0003-0079.. (*BN) 05-0003-0080.. (*BN)	IP 54 IP 54	IP 65 IP 65
Position selector switch (2 positions)	05-0003-0009... (*BN)	IP 54	IP 66, IP 67
Position selector switch (3 positions)	05-0003-001.... (*BN)	IP 54	IP 66, IP 67
Lamp	05-0003-001.... (*BN)	IP 54	IP 66, IP 67
Illuminated button actuator	05-0003-006.... (*BN)	IP 54	IP 66, IP 67
Potentiometer actuator	05-0003-007600 (*BN)	IP 54	IP 66, IP 67
Blanking plug	05-0003-001900 (*BN)	IP 54	IP 66, IP 67

*BN for increased resistance to oil (with NBR seal)

Selection chart

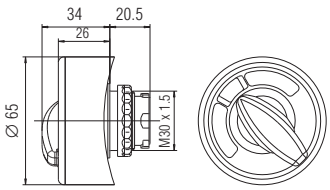
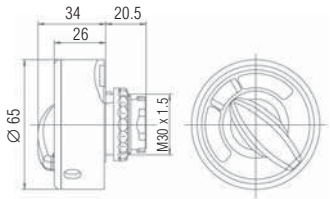
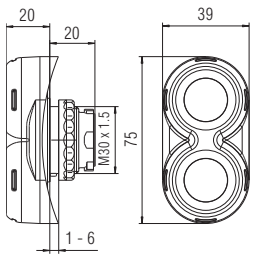
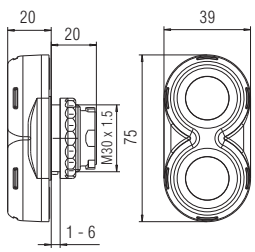
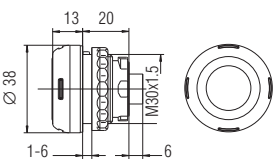
Illustration	Dimensions	Description	Order no.
	for ComEx enclosure  for Control unit/ComEx 316L 	**Position selector switch** black with protective collar, lockable* **only for switch module (2-pole)** 0 - I for control unit (flat) for ComEx enclosure I - II for control unit (flat) for ComEx enclosure I - 0 - II for control unit for ComEx enclosure HAND - 0 - AUTO for control unit (flat) for ComEx enclosure MAN - 0 - AUTO for control unit (flat) for ComEx enclosure Weight 74 g * 3 boreholes in the protective collar to fit padlocks in the switch position 0 (I), or to customer specifications.	**05-0003-007001** **05-0003-007101** **05-0003-007002** **05-0003-007102** **05-0003-007203** **05-0003-007303** **05-0003-007224** **05-0003-007324** **05-0003-007225** **05-0003-007325**
	for ComEx enclosure  for Control unit/ComEx 316L 	**Double pushbutton actuator** with EPDM rubber membrane or with NBR sealing, 5 labels red, green, yellow, white, black, supplied loose for ComEx enclosures with EPDM sealing for ComEx enclosures with NBR sealing for control units with EPDM sealing for control units with NBR sealing Weight 52 g	**05-0003-007500** 05-0003-007500BN **05-0003-007400** 05-0003-007400BN
		**Pushbutton** with EPDM rubber membrane or with NBR sealing, 5 labels red, green, yellow, white, black, supplied loose with EPDM sealing with NBR sealing Weight 24 g	**05-0003-007000** 05-0003-007000BN

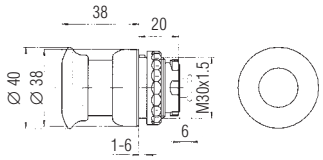
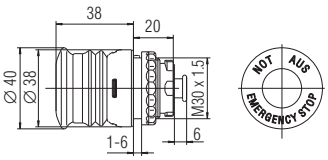
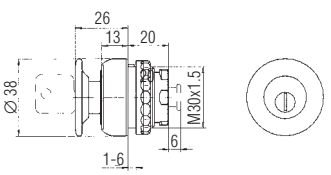
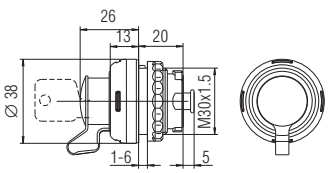
Illustration	Dimensions	Description	Order no.
		**Mushroom pushbutton** with EPDM rubber membrane or with NBR sealing, black with EPDM sealing with NBR sealing Weight 24 g	**05-0003-001800** 05-0003-001800BN
		**EMERGENCY STOP** slam button with EPDM rubber membrane or with NBR sealing, pushbutton marked "NOT-AUS EMERGENCY STOP - Pull to Release" DIN EN 60204-1: 2007 DIN EN 60947-5-1: 2005 (VDE 0660 Part 200) with EPDM sealing with NBR sealing Weight 46 g	**05-0003-000800** 05-0003-000800BN
		**Locking mushroom pushbutton**, push in without key, unlock with key, DOM lock 4 A 185 with EPDM sealing with NBR sealing Weight 70 g	**05-0003-001203** 05-0003-001203BN
		**Lock** DOM lock 4 A 185 Lockable in both positions, Key retractable in both positions with EPDM sealing with NBR sealing Lockable in the depressed position, Key retractable in the depressed position with EPDM sealing with NBR sealing Tip lock lockable in the initial positions, Key retractable in the initial positions with EPDM sealing with NBR sealing Weight 69 g	**05-0003-001200** 05-0003-001200BN **05-0003-001201** 05-0003-001201BN **05-0003-001202** 05-0003-001202BN

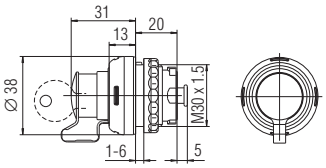
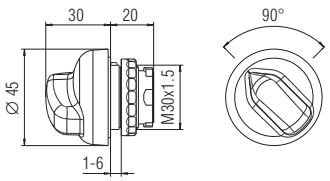
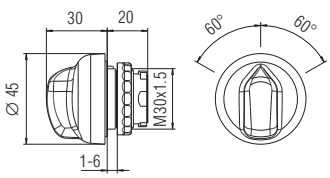
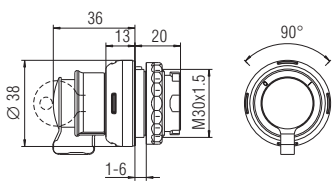
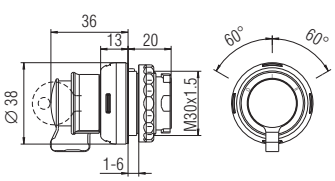
Illustration	Dimensions	Description	Order no.
		**Lock** RONIS lock 455 Lockable in both positions, Key retractable in both positions with EPDM sealing with NBR sealing Weight 75 g	**05-0003-006100** 05-0003-006100BN
	2 switching positions  3 switching positions 	**Position selector switch BS**, black, with 2 or 3 switching positions, turned 90° for ComEx enclosures 0 - I for control units for ComEx enclosures I - 0 - II (I + II latching) for control units for ComEx enclosures I - 0 - II (I + II momentary contact) for control units for ComEx enclosures I - 0 - II (I latching, II momentary) for control units for ComEx enclosures I - 0 - II (I momentary, II latching) for control units for ComEx enclosures Weight 33 g	**05-0003-000900BS** **05-0003-000901BS** **05-0003-001000BS** **05-0003-001100BS** **05-0003-001001BS** **05-0003-001101BS** **05-0003-001002BS** **05-0003-001102BS** **05-0003-001003BS** **05-0003-001103BS**
 	2 switching positions  3 switching positions 	**Key-operated switch**, RONIS lock 456, with 2 or 3 switching positions, turned 90° for ComEx enclosures 0 - I latching, key retractable for control units for ComEx enclosures 0 - I momentary contact, Position I key not retractable for control units for ComEx enclosures I - 0 - II (I + II latching), key retractable for control units for ComEx enclosures Weight 49 g	**05-0003-007700** **05-0003-007800** **05-0003-007701** **05-0003-007801** **05-0003-007900** **05-0003-008000**

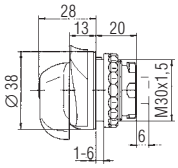
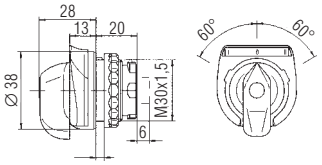
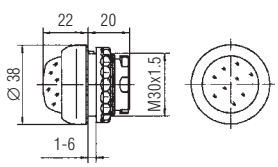
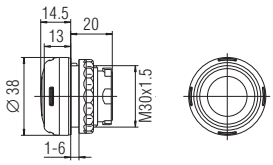
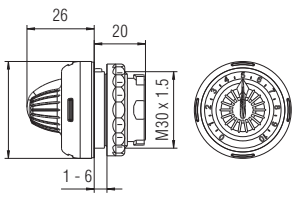
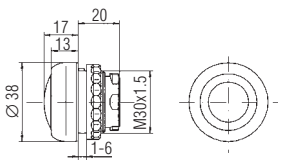
Illustration	Dimensions	Description	Order no.
	2 switching positions  3 switching positions 	**Position selector switch**, black, with 2 or 3 switching positions 0 - I **for control units** with EPDM sealing with NBR sealing **turned 90° for ComEx enclosures** with EPDM sealing with NBR sealing I - 0 - II (I + II latching) **for control units** with EPDM sealing with NBR sealing **turned 90° for ComEx enclosures** with EPDM sealing with NBR sealing I - 0 - II (I + II momentary) **for control units** with EPDM sealing with NBR sealing **turned 90° for ComEx enclosures** with EPDM sealing with NBR sealing I - 0 - II (I latching, II momentary contact) **for control units** with EPDM sealing with NBR sealing **turned 90° for ComEx enclosures** with EPDM sealing with NBR sealing I - 0 - II (I momentary contact, II latching) **for control units** with EPDM sealing with NBR sealing **turned 90° for ComEx enclosures** with EPDM sealing with NBR sealing Weight 33 g	**05-0003-000900** 05-0003-000900BN **05-0003-000901** 05-0003-000901BN **05-0003-001000** 05-0003-001000BN **05-0003-001100** 05-0003-001100BN **05-0003-001001** 05-0003-001001BN **05-0003-001101** 05-0003-001101BN **05-0003-001002** 05-0003-001002BN **05-0003-001102** 05-0003-001102BN **05-0003-001003** 05-0003-001003BN **05-0003-001103** 05-0003-001103BN
		**Lamp module actuator** red with EPDM sealing with NBR sealing green with EPDM sealing with NBR sealing yellow with EPDM sealing with NBR sealing white with EPDM sealing with NBR sealing blue with EPDM sealing with NBR sealing Weight 19 g	**05-0003-001300** 05-0003-001300BN **05-0003-001400** 05-0003-001400BN **05-0003-001500** 05-0003-001500BN **05-0003-001600** 05-0003-001600BN **05-0003-001700** 05-0003-001700BN

Illustration	Dimensions	Description	Order no.
		**Illuminated button actuator** red with EPDM sealing red with NBR sealing green with EPDM sealing green with NBR sealing yellow with EPDM sealing yellow with NBR sealing white with EPDM sealing white with NBR sealing blue with EPDM sealing blue with NBR sealing Weight 19 g	**05-0003-006500** 05-0003-006500BN **05-0003-006600** 05-0003-006600BN **05-0003-006700** 05-0003-006700BN **05-0003-006800** 05-0003-006800BN **05-0003-006900** 05-0003-006900BN
		**Potentiometer actuator**, black, durable and abrasion-resistant, Scale gradation from 0 to 10 with EPDM sealing with NBR sealing Weight 28 g	**05-0003-007600** 05-0003-007600BN
		**Blanking plug**, to cover unused holes in the cover with EPDM sealing with NBR sealing Weight 20 g	**05-0003-001900** 05-0003-001900BN