ComEx control stations

Features

- 3 standard enclosures
- Easy to install
- Extremely flexible
- Customer-tailored solutions

Description

ComEx is a flexible system offering standard as well as customer-specific local control and indicating units.

You have the choice between three standard enclosures which can accomodate up to three different control and indicating devices. Combinations of up to three ComEx enclosures are possible.

Either stuffing box glands in M20 x 1.5 and M25 x 1.5 made of plastic or cable glands made of metal are available for the electrical connection.

The plastic glands require no lock nuts.

Metal glands are screwed into a metal earth plate sheet inside of the enclosure. Maximum amount of cable clands: two off M20.

To ensure easier operation on site, each enclosure can be equipped with an individual info-label.

For offshore applications special oil-resistant attachments are available.

➔ Explosion protection

Ex protection type
⟨Ex⟩ II 2G Ex ed IIC T6
⟨Ex⟩ II 2D Ex tD A21 IP 67 T 80 °C

Class I, Zone 1 AEx ed IIC, Ex ed IIC
Class I, Division 2 Groups A, B, C, D
Ex ed IIC, T6

Certification
PTB 00 ATEX 1068
UL E184198
IECEx PTB 08.0022
INMETRO 2004 EC 02 CP003

Permissible ambient temperature
-55 °C to +60 °C
(-20 °C to +60 °C for Zone 21 and 22)

➔ Technical data

Connection
Terminals 2.5 mm²

PE conductor terminals
4 x 2.5 mm²

Rated insulation voltage
max. AC 690 V

Nominal current
max. 16 A

Cable entry
M 20 x 1.5 for cable ∅ 6 to 13 mm
M 25 x 1.5 for cable ∅ 7 to 12 mm
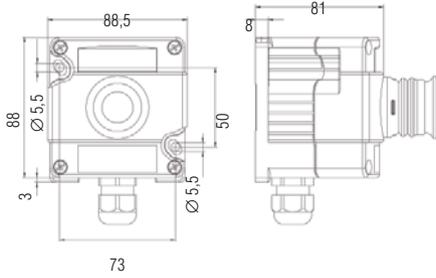M 25 x 1.5 for cable ∅13 to 21 mm

Enclosure
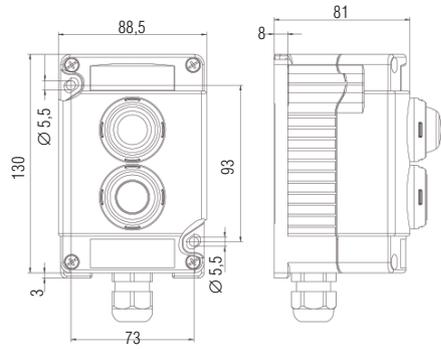Thermoplastic

Protection class
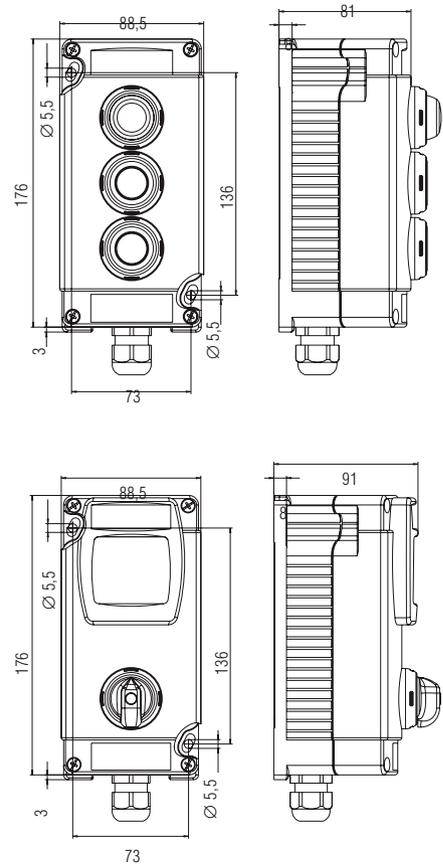IP 66/IP 67

BARTEC

Control unit, single Type 07-3511-....

Control station, double Type 07-3512-....

Control station, triple Type 07-3513-....

Selection chart Actuator elements

Illustration	Description	Code no.	Illustration	Description	Code no.
	Pushbutton with rubber membrane and with five loose labels: red, green, yellow, white, black	P7		**Lock** (DOM) lockable in both positions, key retactable in both positions lock 4 A 185	K0
				lockable in its depressed position, key retactable in its depressed position lock 4 A 185	K1
	Double pushbutton actuator with rubber membrane, 5 loose labels in red, green, yellow, white, black	P2		lockable in its initial position, key retactable in its initial position lock 4 A 185 (tip lock)	K2
	Emergency Stop marked 'NOT-AUS EMERGENCY STOP'	N8		**Lock** (RONIS) lockable in both positions key retactable in both positions lock 445	K4
				Lock (RONIS) Lock 455	
	Locking mushroom push button pushed in without a key unlocked with a key DOM lock 4 A 185	K3		2 switching positions 0-I latching, key retractable	E0
				2 switching positions 0-I momentary contact, position I key not retractable	E1
				3 switching positions I-0-II latching on both sides, key retractable	E2
	Mushroom pushbutton, black	P8		**Lamp** red green yellow white blue	LR LG LY LW LB
	Position selector switch 2 positions, 0 + I latching	S9		**Illuminated button actuator** red green yellow white blue	TR TG TY TW TB
	Position selector switch 3 positions I-0-II			**Blanking plug** black, to cover unused holes in the front panel	B1
	I + II latching	S0			
	I + II momentary-contact	S1			
	I latching, II momentary-contact	S2		**Potentiometer actuating element** black, scale 1 - 10	D0
	I momentary-contact, II latching	S3			

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	I + II latching	S0			
	I + II momentary-contact	S1		**Potentiometer actuating element** black, scale 1 – 10	D0
	I latching, II momentary-contact	S2			
	I momentary-contact, II latching	S3			

Selection chart Modules

Illustration	Description	Code no.
	Switch module 1 NC/1 NO 2 NC 2 NO	**4** **1** **2**
	Indicator light red green yellow white blue	**R** **G** **Y** **W** **B**
	Illuminated button red 1 NO green 1 NO yellow 1 NO white 1 NO blue 1 NO red 1 NC green 1 NC yellow 1 NC white 1 NC blue 1 NC	**RB** **GB** **YB** **WB** **BB** **RA** **GA** **YA** **WA** **BA**

	Potentiometer modul
	Resistance values
	    1 kΩ
	    2.2 kΩ
	    4.7 kΩ
	    10 kΩ
		
		4
		5
		6
		7

	Terminal block with 6 modular terminals 2.5 mm² Ex e II	**6**
	Measuring instrument 1 A 03-9020-0024 5 A 03-9020-0025	**MM1** **MM5**

Technical data subject to change without notice.

Complete order no.

Actuator element resp. Lamp module operator

Switch module resp. Indicator light or Terminal block

Measuring instrument

Please insert code number.

Control unit, single   **07-3511-10**

Control unit, double   **07-3512-10**

Control unit, double   **07-3512-10**

Control unit, triple   **07-3513-10**

Control unit, triple   **07-3513-10**

Technical data subject to change without notice.