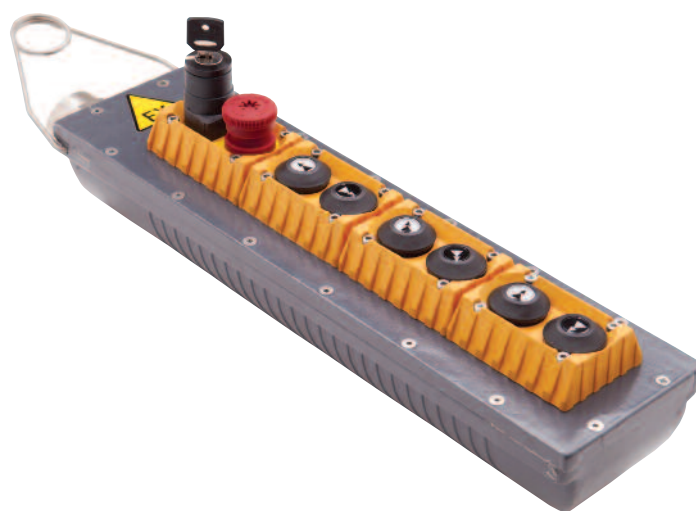




Flameproof Pendant Stations



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Double body installation instructions	Pag. 7
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PENDANT STATIONS

The new X Touch series push-button stations for auxiliary controls are the result of a blend of Coel's long experience in manufacturing electromechanical components.

In designing the product particular attention was paid both to easy handling features and to the technical aspects, in order to ensure usage also in heavy-duty circumstances.

All the materials, which come into direct contact with the environment, are resistant to atmospheric agents, oils, temperature changes and are shockproof.

X Touch is built so to ensure complete protection against dusts and water as per IP65 protection

The optimized internal space allows to make all connections easily and quickly.

Bridge connections have been projected in order to reduce cabling time and are available upon request.

X Touch push-button stations are offered in 5 different sizes, ranging from 4 to 16 buttons devices and various controls and switches can be mounted on each type.

They are made out of an enclosure in aluminum or steel.

The switches have self-cleaning sliding contacts in silver alloy. Inside the enclosures it is possible to insert switches, thermal protectors and a resistances as anti condensation heater.

The pendant stations are intended to be used in industrial areas and in particular for Hazardous Locations for ATEX and IECEx zones are 1, 2, 21, 22



MAIN FEATURES

- Enclosure made in aluminum as standard
- Ambient temperature range: -20°C to +60°C
- Double step buttons for each type
- Painted with epoxy paint as standard
- Supplied with Selector Switch (Key type) Disabled, Enabled and Start

General Safety Specifications :

- | | |
|------------------------|----------------------------------|
| • Maximum power supply | 250Vdc or 240Vac |
| • Maximum current | 1.1 A at 250 Vdc or 3A at 240Vac |
| • Rated frequency | 50/60 Hz |

OPTIONS

- Enclosure in steel C40 or AISI 316
- Anti-condensation heater

Conformity to ATEX Standards – 2014/34/UE

EN 60079-0:2012 - Explosive atmospheres. Equipment. General requirements

EN 60079-1:2014 - Explosive atmospheres. Equipment protection by flameproof enclosures "d"

EN 60079-31:2014 - Explosive atmospheres. Equipment dust ignition protection by enclosure "t"

Conformity to IECEx Standards

IEC 60079-0:2012 - Explosive atmospheres. Equipment. General requirements

IEC 60079-1:2014 - - Explosive atmospheres. Equipment protection by flameproof enclosures "d"

IEC 60079-31: 2013 - - Explosive atmospheres. Equipment dust ignition protection by enclosure "t"

Certificates :

ATEX ITS16ATEX101535X



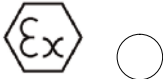


IECEx ITS 16.0070X

Type of Protection :

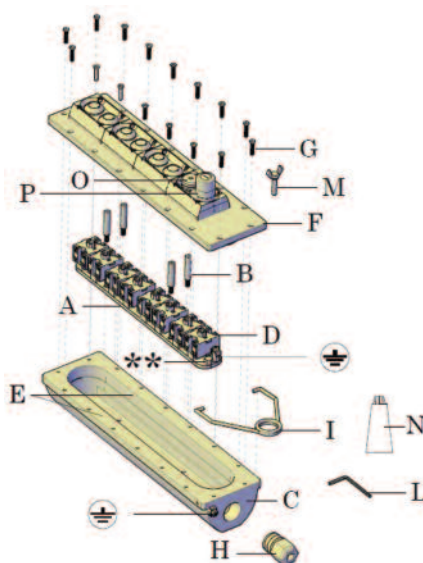
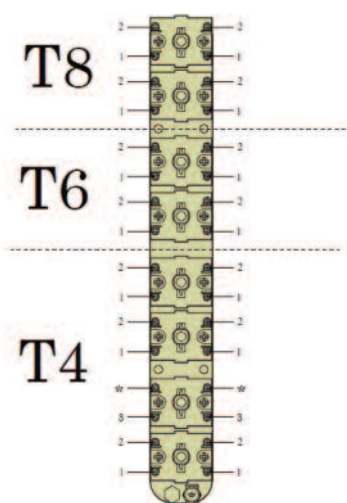
ATEX II 2 G Ex db IIC T6 Gb
II 2 D Ex tb IIIC T85°C Db
Tamb : -20°C to +60°C

IECEx Ex db IIC T6 Gb
Ex tb IIIC T85°C Db
Tamb : -20°C to +60°C



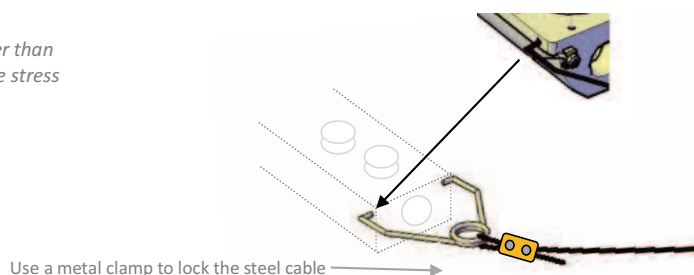
		Manufacturer COELMOTORI Fizzonasco (MILANO) ITALY www.coel-is.com			
Type TAXXXX			Year XXX		
Serial number IDXXX					
		Ex II 2G Ex db II CT6Gb Ex II 2D Ex tb IIIC T85°C Db		n° ITS16ATEX101535X  Certificate	
		Ex db II CT6Gb Ex tb IIIC T85°C Db		n° IECEx ITS 16.0070X Certificate	
U=250Vdc I=1,1A Max			-20°C ≤ Tamb ≤ +60°C		
U=240Vac I=3A Max			f=50/60Hz		
WARNING: "Do not open when energized" "After de-energizing, delay 20 minutes before opening"					

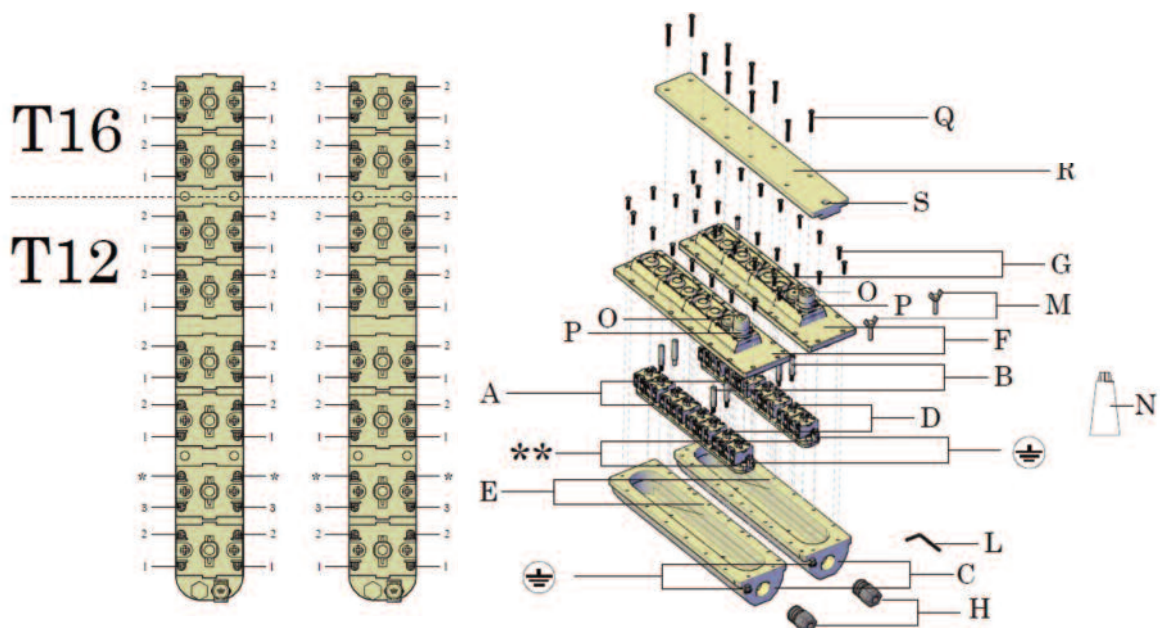
X Touch	TA	XX	X	XX
Identification of the threaded entry: <ul style="list-style-type: none"> • NPT 1/2":N1; • NPT 3/4":N2; • NPT 1":N3; • M20X1.5 • M25X1.5 • M32X1.5 				
If heater is installed: H				
Number of contact: 4, 6, 8, 12, 16				



DESIGNATION	INSTALLATION
<p>T4= 2 bottoms double step + 1 key (P) + 1 emergency (O) T6= 4 bottoms double step + 1 key (P) + 1 emergency (O) T8= 6 bottoms double step + 1 key (P) + 1 emergency (O)</p> <p>-Contacts 1 and 2 are NO -Contact 1 is activated with the first step of the bottom -Contact 2 is activated with the second step of the bottom -Contact 3 is NC - Key P is a double step key for power on and start on operation - Emergency bottom O to be manually reactivated in case of use</p> <p>*Terminals without switch to be used to connect the anti condensation heater (if equipped) - Locking force for screws 1 Nm</p> <p>**Thermal protector PTO To prevent over heating of anti condensation heater (if equipped)</p>	<ol style="list-style-type: none"> 1) Open the covers F using the screws M 2) Unscrew the B pins using the key L supplied with the pendant station 3) Extract the switches layer A 4) Insert the cable through the conduit or cable gland H (not supplied) and through the hole C 5) Connect the wires to the switches D. Locking force of screws is 1Nm. 6) Lock the switches layer A to the base using the pins B. Locking force is 4,5 Nm. 7) Put the lithium grease N on the lamination junction E of the terminal box cover 8) Close the terminal box F 9) Fix the screws G with a torque value of 6,3Nm 10) Assemble the holding hook I on the base 11) Connect the external ground terminal 12) Fix the steel holding cable to the holding hook*

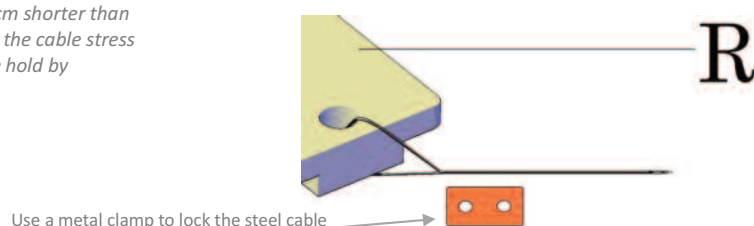
The holding cable must have a length of 5cm shorter than the power supply cable in order to prevent the cable stress
The weight of the pendant station must be hold by the steel holding cable only.

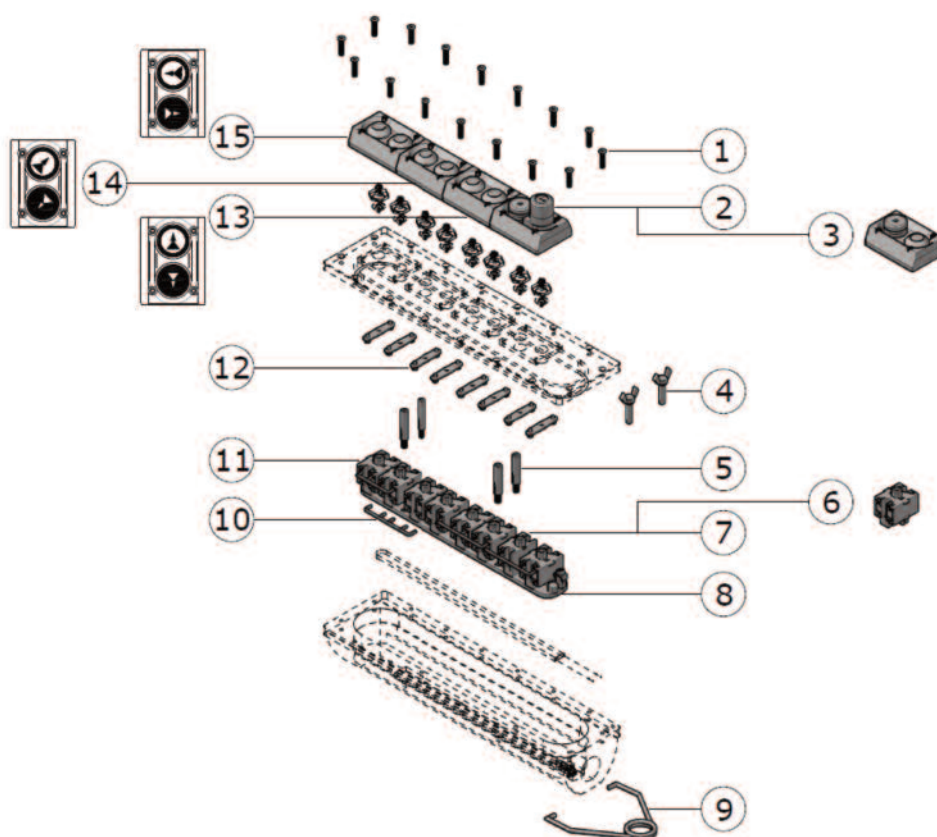




DESIGNATION	INSTALLATION
<p>T12= 8 bottoms double step + 2 keys (P) + 2 emergency (O)</p> <p>T16= 12 bottoms double step + 2 keys (P) + 2 emergency (O)</p> <p>-Contacts 1 and 2 are NO</p> <p>-Contact 1 is activated with the first step of the bottom</p> <p>-Contact 2 is activated with the second step of the bottom</p> <p>-Contact 3 is NC</p> <p>- Key P is a double step key for power on and start on operation</p> <p>- Emergency bottom O to be manually reactivated in case of use</p> <p><i>*Terminals without switch to be used to connect the anti condensation heater (if equipped) – Locking force for screws 1 Nm</i></p> <p><i>**Thermal protector PTO To prevent over heating of anti condensation heater (if equipped)</i></p>	<ol style="list-style-type: none"> 1) Unscrew the screws Q and remove the junction plate P 2) Open the covers F using the screws M 3) Unscrew the B pins using the key L supplied with the pendant station 4) Extract the switches layer A 5) Insert the cable through the conduit or cable glands H (not supplied) and through the holes C 6) Connect the wires to the switches D. Locking force of screws is 1Nm. 7) Lock the switches layer A to the base using the pins B. locking force is 4,5 Nm. 8) Put the lithium grease N on the lamination junctions E of the terminal box cover 9) Close the terminal boxes F and fix the screws G with a torque value of 6,3Nm and apply the plate R 10) Fix Q with a torque value of 6,3Nm 11) Connect the external ground terminal 12) Fix the steel holding cable to the holding hole on R plate

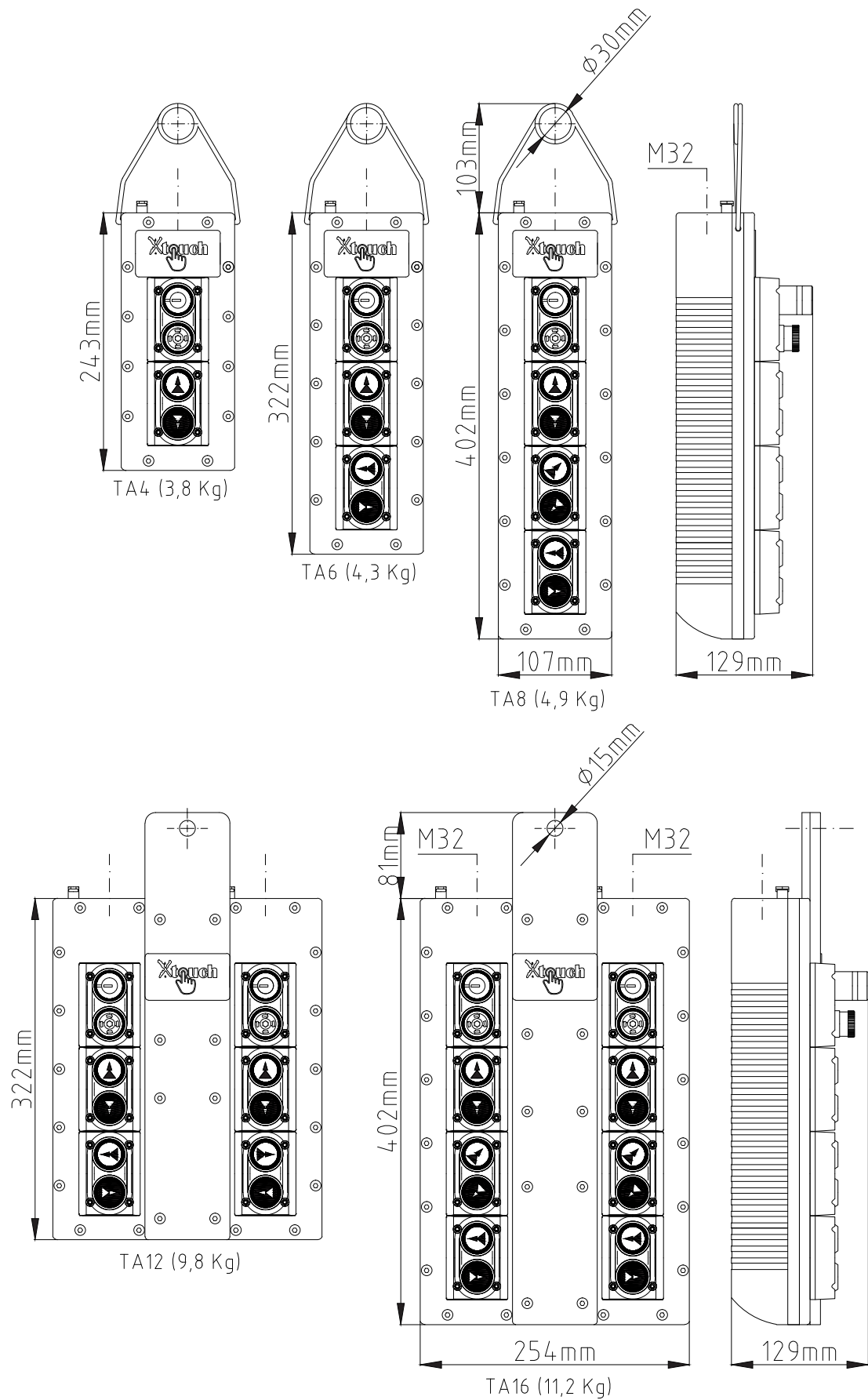
The holding cable must have a length of 5cm shorter than the power supply cable in order to prevent the cable stress
The weight of the pendant station must be hold by the steel holding cable only.





	Reference List
1	Locking Screws
2	Key Switch
3	Base with start and emergency buttons
4	Wing Screws
5	Switch plate locking pins
6 7	NO Switch with heater
8	Switch layer
9	Holding Hook
10	Brass Connection Plate
11	NO Switch
12	Silicon locked pin with screws
13 14 15	Twin buttons base

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