

MIKE-X HAZARDOUS AREAS PENDANT CONTROL STATION



The **Mike-X** explosion proof pendant control station is certified for use in ATEX & IEC Ex zones 1, 2, 21 & 22. It is certified for Class 1 Div 1 hazardous locations. The **Mike-X** can be fitted with 4-16 operators using 2 speed switches with either NO or NC contacts. Consult factory for 10 button - 16 button part numbers.

Features

- Pendant control station for use in industrial areas and hazardous locations for ATEX and IECEx zones 1, 2, 21, 22.
- Reduced installation and wiring time and costs: the optimized internal space enables easy and quick connections.
- Positive opening NC contacts for safety functions.
- IP protection degree: IP65.
- Extreme temperature resistance: -20 °C to +60 °C.
- It features solid but light weight body made of powder epoxy painted aluminum or stainless steel AISI 316 (optional), resistant to temperature changes.
- All materials and components used are shock and wear resistant and guarantee protection of the unit against water, dust and oils.

Options

- Available in configurations from 4 to 16 actuators.
- 2 speed switches with NO contacts or 1 speed switches with NC contacts.
- Mechanical interlock to prevent simultaneous operation of opposite functions.
- Connecting bridges to reduce wiring time.
- It can be equipped with thermal protectors and resistances as anti-condensation heaters (max. power 24W).

Certifications





- CE marking.
- Conformity to ATEX Standards EN 60079-0:2012, EN 60079-1:2014, EN 60079-31:2014.
- Conformity to IEC Ex Standards IEC 60079-0:2012, IEC 60079-1:2014, IEC 60079-31:2013.



Fill-in the "request form" for a custom product configuration

SPECIFICATIONS FOR MIKE-X PENDANT STATION

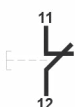

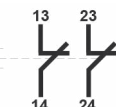
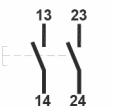
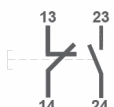
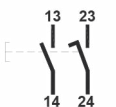

Certifications

Conformity to Atex Standards	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 enclosures “t”
Conformity to IECx 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 enclosures “t”
Atex Certification	ITS16ATEX101535X
IECEx Certification	ITS 16.0070X
Atex Protection Type	II 2 G Ex db IIC T6 Gb
	II 2 D Ex tb IIIC T85 °C Db
	Tamb: -20 °C to +60 °C
IECEx Protection Type	Ex db IIC T6 Gb
	Ex tb IIIC T85 °C Db
	Tamb: -4 °F / +140 °F (-20 °C / +60 °C)
Markings and Homologations	   

General Technical Specifications

Operational ambient temperature	-4 °F / +140 °F (-20 °C / +60 °C)
IP protection degree	IP 66 / IP 67 / IP 69K
Cable entry*	IK 09

Technical Specifications the Switches



Rated operational current	Maz 250 Vdc / 1.1 A					
Rated frequency	Max 240 Vac / 3 A					
Wires	50/60 Hz					
Anti-moisture heater (optional)	Min 0.75 mm ² - Max 2 mm ² (ATEX and IEC Ex)					
Microswitch Type	1 speed	1 speed	1 speed	1 speed	1 speed	2 speeds
Contacts	1NC (positive opening operation NC contacts ⚡)	1NO	2NC (positive opening operation NC contacts ⚡)	2NO	1NO+1NC (positive opening operation NC contacts ⚡)	2NO
Scheme						
Markings and Homologations						




Optionals



Anti-condensation heater
Stainless steel AISI 316 version





CONFIGURATIONS FOR MIKE-X PENDANT STATION


4 Operator Configurations




SCC Part No. → EXTA4M2		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		



SCC Part No. → EXTA4M2B		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		

SCC Part No. → EXTA4M2D		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		





SCC Part No. → EXTA4M2F		
Operator Type	Symbol	Note
Momentary Button Start		
Momentary Stop		1 NC
Momentary Button		
Momentary Button		






SCC Part No. → EXTA4M2A		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Blank		
Blank		

SCC Part No. → EXTA4M2C		
Operator Type	Symbol	Note
Button Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		

SCC Part No. → EXTA4M2C		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	2 contacts NC simultaneous
Momentary Button		
Momentary Button		






6 Operator Configurations





SCC Part No. → EXTA6M3		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		





SCC Part No. → EXTA6M3A		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		






CONFIGURATIONS FOR MIKE-X PENDANT STATION






6 Operator Configurations





SCC Part No. → EXTA6M3A		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		





SCC Part No. → EXTA6M3C		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	2 NO
Mushroom Head E-stop	Maintained	2 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		





SCC Part No. → EXTA6M3E		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		





SCC Part No. → EXTA6M3G		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		





SCC Part No. → EXTA6M3I		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

SCC Part No. → EXTA6M3B		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		
Momentary Stop		

SCC Part No. → EXTA6M3D		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		
Momentary Stop		





SCC Part No. → EXTA6M3F		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		
Momentary Stop		




SCC Part No. → EXTA6M3H		
Operator Type	Symbol	Note
Keyed Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		
Momentary Stop		

SCC Part No. → EXTA6M3L		
Operator Type	Symbol	Note
Momentary Start	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		
Momentary Stop		








CONFIGURATIONS FOR MIKE-X PENDANT STATION









6 Operator Configurations









SCC Part No. → EXTA6M3M		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		








SCC Part No. → EXTA6M3N		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Keyed Selector Switch	Off-On	
Keyed Selector Switch	Off-On	









8 Operator Configurations








SCC Part No. → EXTA8M3		
Operator Type	Symbol	Note
Key Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

SCC Part No. → EXTA8M3A		
Operator Type	Symbol	Note
Momentary Start		1 NO
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO







SCC Part No. → EXTA8M3B		
Operator Type	Symbol	Note
Momentary Start		2 NO
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		








SCC Part No. → EXTA8M3C		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO
Momentary Button		2 NO








SCC Part No. → EXTA8M3D		
Operator Type	Symbol	Note
zmomentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		







SCC Part No. → EXTA8M3E		
Operator Type	Symbol	Note
Momentary Start		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Start		1 NO
Momentary Stop		1 NC
Momentary Button		1 NO
Momentary Button		1 NC








8 Operator Configurations







SCC Part No. → EXT48M3F		
Operator Type	Symbol	Note
Key Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

SCC Part No. → EXT48M3G		
Operator Type	Symbol	Note
Mushroom Head E-stop	Maintained	1 NC
Momentary Start/Horn		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

SCC Part No. → EXT48M3H		
Operator Type	Symbol	Note
Momentary Start		2 NO
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

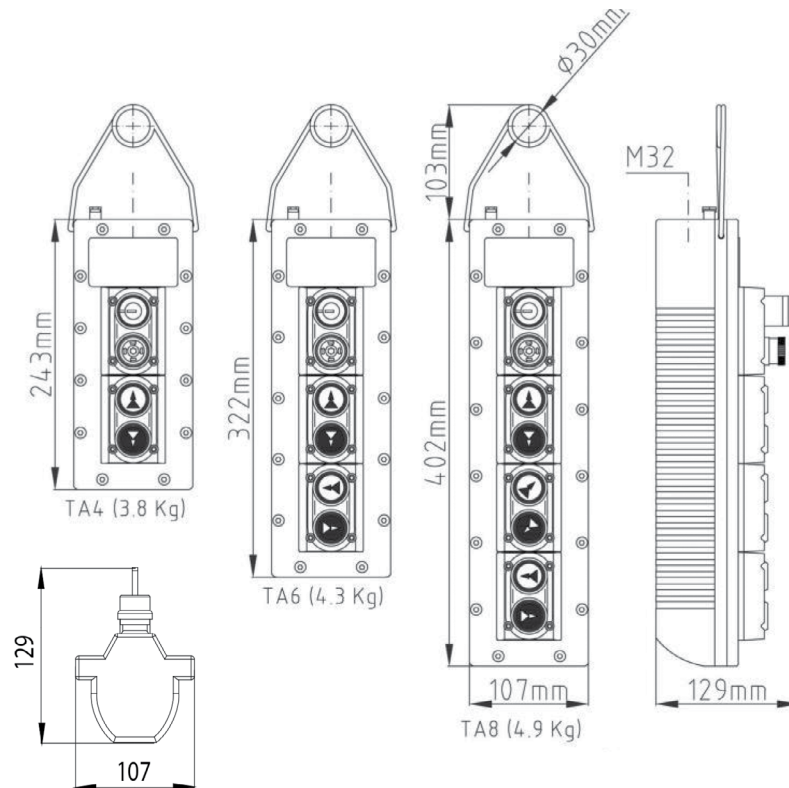
SCC Part No. → EXT48M3I		
Operator Type	Symbol	Note
Blank		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

SCC Part No. → EXT48M3L		
Operator Type	Symbol	Note
Momentary Horn		
Mushroom Head E-stop	Maintained	1 NC
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

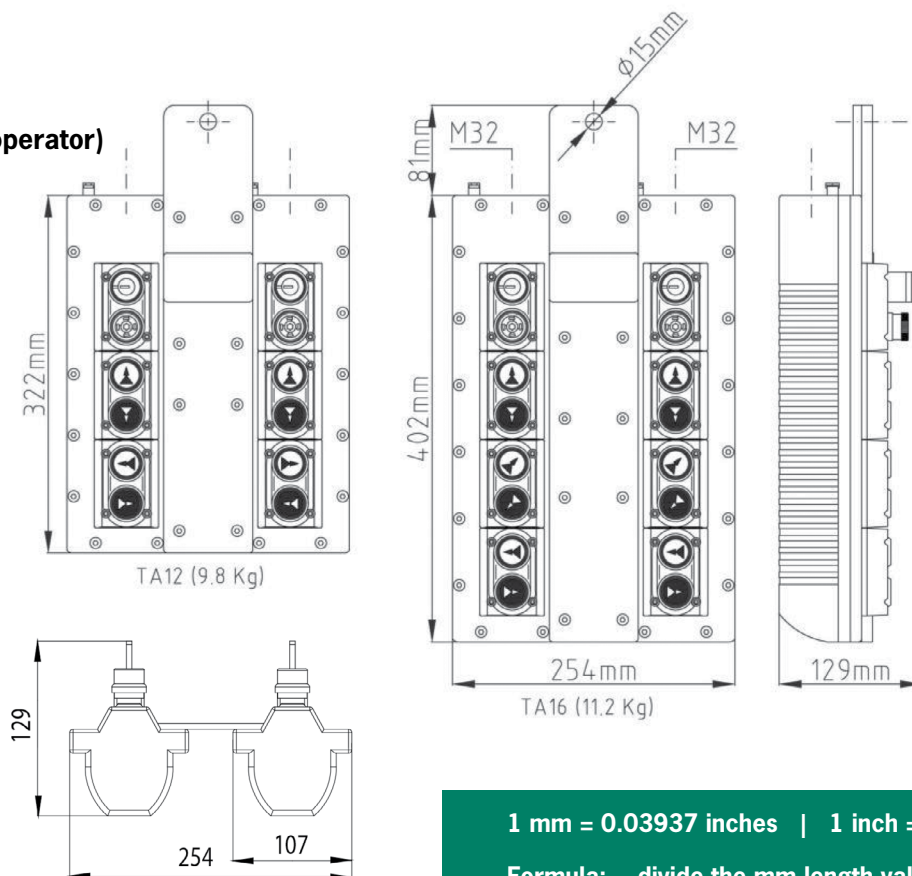
SCC Part No. → EXT48M3M		
Operator Type	Symbol	Note
Key Selector Switch	Off-On	
Mushroom Head E-stop	Maintained	2 contacts NC simultaneous
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		
Momentary Button		

MIKE-X PENDANT - OVERALL DIMENSIONS (mm)

Single Column (4, 6, 8 operator)



Double Column (10, 12, 14, 16 operator)



1 mm = 0.03937 inches | 1 inch = 25.4 mm

Formula: divide the mm length value by 25.4
multiply the inch length value by 25.4

MIKE-X PENDANT - REQUEST FORM FOR CONTROL STATION

Instructions

Fill in the chart according to the following instructions:

- 1 **Protection:** tick the box to accept the type of protection provided.
- 2 **Control station:** tick the box corresponding to the type of control station required (simple or double).
- 3 **Control elements:** enter in the broken-line box the number corresponding to the control element required (from 1 to 25) according to the legend.

If you choose **buttons with arrows**, mark the direction of the arrow into the corresponding box. Eg. ↗

ATTENTION: opposite functions (eg. up /down) must be vertically coupled in columns and they are provided with mechanical interlock.

- 4 Switches:** enter the number corresponding to the switch required (from **30** to **35**) according to the legend.
- 5 Cable entry:** tick the box corresponding to type of cable entry required.
- 6 Optionals:** tick the box corresponding to the eventual optionals required.

Protection

- ☐
- Tick the box to accept the type of protection provided.

ATEX	II 2 G Ex db IIC T6 Gb II 2 D Ex tb IIIC T85°C Db
IECEEx	Ex db IIC T6 Gb Ex tb IIIC T85°C Db

Control station 2

- ☐ 4 - 8 actuators: simple control station
- ☐ 12 - 16 actuators: double control station

Control elements 3

- 1 Emergency stop mushroom pushbutton
- 2 Selector switch - 2 maintained positions 0/1
- 3 Key selector switch - 3 positions 1/0/2
(1/0 maintained - 0/2 spring return)



Switches 4

- | | |
|-------------------------|-----------------------------|
| 30 1NC - 1 speed | 33 2NO - 1 speed |
| 31 1NO - 1 speed | 34 1NO+1NC - 1 speed |
| 32 2NC - 1 speed | 35 2NO - 2 speeds |

Cable entry 5

- ☐ M25 x 1,5 ☐ M32 x 1,5

Optionals 6

- ☐ Anti-condensation heater
- ☐ Stainless steel AISI 316 version

Switches

4 - 8 actuators
simple control station
singola

4 - 8 actuators
simple control station
singola

12 - 16 actuators
double control station