

Explosion Proof Control, Monitoring and Signaling Devices EPB, EPL & EPH Series

EPB, EPL & EPH Series control, monitoring and signaling devices are installed as external accessories on NATIB 'Ex d' enclosures used in any industrial environment where an explosive atmosphere may be present, classified as Zone 1 and/or Zone 2. Control devices can be used to close or open electrical or mechanical devices fitted inside the 'Ex d' enclosures while the signaling devices feature lights to indicate their operating status. The control and signaling device components are made from stainless steel to deliver unbeatable efficiency under any environmental conditions. Levers are made from Aluminum while the plastic parts on push-buttons are designed to provide lengthy service life even when used in a highly corrosive atmosphere. Control and Signaling devices have an IP66 protection degree.



Certification Data

- Certificate no.: ECM ...
- Marking: ex II 2 G Ex db IIC Gb IP66
- Service temperature range: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$

Standards

- EN 60079-0:2018
- EN 60079-1:2014
- EN 60079-31:2014
- EN 60529:1992+A2:2013

Mechanical Features

- Aluminum alloy outer Body Material
- Stainless Steel internal Bush and Pin
- NBR/ Viton Gaskets
- Colored Nylon Push Button
- Aluminum Handle Levers
- Epoxy Electrostatic coating
- Screws into lid device mounting

Electrical Features

- 600 V rated Voltage
- 10 A rated Current





NATIB
NoAvarun Tajhyzat Imen Bargh
Mfg. & Eng. Co.

Push Buttons with Standard 10 A, 600 V, 1NO+1NC contacts.

EPB-AB

Signaling Lamps

EPL-AB

Handles

EPH-C

Table A

Item	Voltage	Code
1	220 V AC	220
2	110 V AC	110
3	48 V DC	48
4	24 V DC	24

A: Voltage / B: Type & Color / C: Handle Application

Table B

Item	Color	Type (Only for Push Buttons)	Code
1	Red	Normal	R
2	Green	Normal	G
3	Yellow	Normal	Y
4	Blue	Normal	B
5	White	—	W
6	—	Head Mushroom Emergency	EMG
7	—	Head Mushroom Emergency/ Lockable	EMG-L
8	—	Head Mushroom Emergency/ Key- Lockable	EMG-LK

Table C

Item	Application	Place of Installation	Code
1	Selector Switches	Door	S
2	Heavy Duty Selector Switches	Door	HS
3	MCBs	Door	M
4	MCCBs	Door	MC
5	Heavy Duty MCCBs	Door	HMC
6	MCBs/ MCCBs	Wall	WMC
7	Heavy Duty MCCBs	Wall	HWMC

شرکت تولیدی و مهندسی نوآوران تجهیزات ایمن برق



NATIB Mfg. & Eng. Co.

NoAvarun Tajhyzat Imen Bargh

Explosion Proof Modular Control Station

CSB Series



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Explosion Proof Modular Control Station

CSB Series

CSB Explosion Proof Control Station, consist of Aluminum body, Stainless Steel Bushing and Push Button Shaft, Fixing Screws for body and cover and Earth Stud, Lugs for surface mounting, Heat Resistant Tempered Glass/ Poly Carbonate Globe, constructed as Flame-Proof Control Station with highly resistant against water and dust penetration, having sufficient impact resistance, proper efficiency, manufactured under ATEX mandatory rules for safe operation in zone 1 or zone 2 hazardous areas.

The CSB Control Stations are designed in variety of

models, equipped with special facilities in order to meet the needs of different technical requirements with the specific ref. codes.

Certification Data

- Certificate no.: ECM ...
- Marking: ex II 2 G Ex db IIC T5 Gb IP66
- Service temperature range: $-20^{\circ}\text{C} \leq T_{\text{amb.}} \leq +55^{\circ}\text{C}$

Standards

- EN 60079-0:2018
- EN 60079-1
- EN 60079-31
- EN 60529:1992+A2:2013

Mechanical Features

- Aluminum alloy body material
- Heat Resistant Tempered Glass/ Poly Carbonate Globe (if applicable)
- Silicone Gasket
- Stainless Steel Bolts & Earth Screws
- M25/ M20 Iso Metric thread entries
- Electro Static Epoxy coating RAL 6003 (Olive Green)



Electrical Features

- Button Contacts: Max. 10 A, 600 V
- Circuit Breakers: 16~63 A, 690 V
- Lamps: 24/250 V, 3 W
- LEDs: 12/240 V

Options on Request

- Assembling as required Control Station Board
- Through Wiring
- Glands & Stopping Plugs
- Different Painting Color in RAL Standard Basis





Production Table

Code	Description
CSB-H	Instrument Housing (Ammeter, Voltmeter, Photocell)
CSB-1I	2 Fixed Position Single Pole Selector Switch
CSB-2I	2 Fixed Position Double Pole Selector Switch
CSB-3I	2 Fixed Position Triple Pole Selector Switch
CSB-1M	2 Spring Return Position Single Pole Selector Switch
CSB-2M	2 Spring Return Position Double Pole Selector Switch
CSB-3M	2 Spring Return Position Triple Pole Selector Switch
CSB-1C	3 Fixed Position Single Pole Selector Switch/ Pad lockable
CSB-2C	3 Fixed Position Double Pole Selector Switch/ Pad lockable
CSB-3C	3 Fixed Position Triple Pole Selector Switch/ Pad lockable
CSB-1W	3 Spring Return Position Single Pole Selector Switch/ Pad lockable
CSB-2W	3 Spring Return Position Double Pole Selector Switch/ Pad lockable
CSB-3W	3 Spring Return Position Triple Pole Selector Switch/ Pad lockable
CSB-P	Single Push Button (Consist of nr. 2 Contacts)
CSB-2P	Single Push Button (Consist of nr. 4 Contacts)
CSB-D	Double Push Button
CSB-R	Head Mushroom Push Button (Consist of nr. 2 Contacts)/ Turn to Release
CSB-2R	Head Mushroom Push Button (Consist of nr. 4 Contacts)/ Turn to Release
CSB-RK	Head Mushroom Push Button (Consist of nr. 2 Contacts)/ Key Release
CSB-2RK	Head Mushroom Push Button (Consist of nr. 2 Contacts)/ Key Release
CSB-L	Signaling Lamp

