# Tavan Omran Sanat Samaneh Co.

## Explosion Proof Junction Box
## EJB/EJBP Series

| | |
|---|---|
| CERTIFICATE | 2195 25 ATEX 034 X |
| MARKING Ex | II 2G Ex db IIB+H2 T6...T3 Gb |
| | II 2D Ex tb IIIC T85°C...T200°C Db |
| DIRECTIVE | 2014/34/EU |
| STANDARD | EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024 |
| INSTALLATION | zone 1 - 2 - 21 - 22 |
| PROTECTION | IP66 |

## CONSTRUCTION

Body made of Aluminium allow. Stainless steel cover bolts.
Internal/External earth screws. Galvanized steel mounting straps. Silicone O-ring.

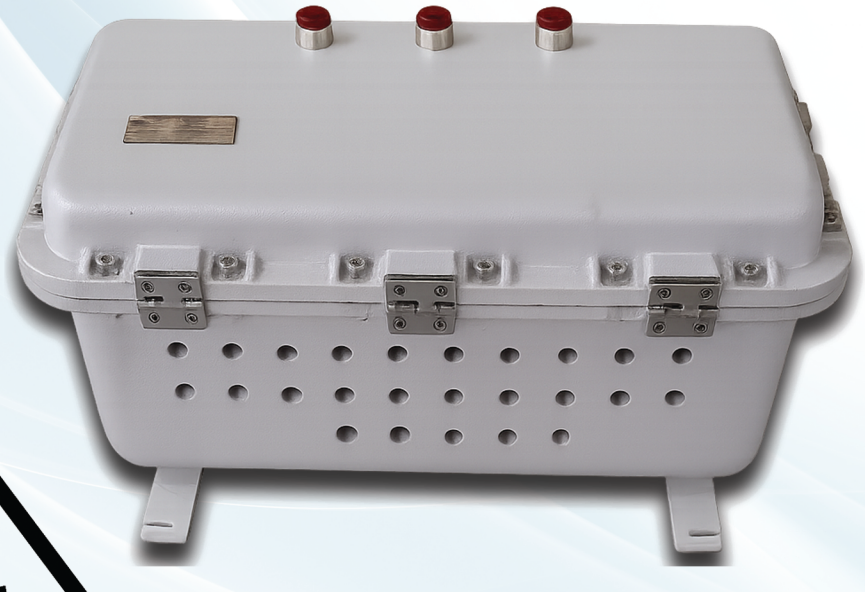
## FEATURES

EJB/EJBP series of enclosures have type of protection flameproof "Ex d" and dust ignition protection by enclosure "Ex t" and can be equipped with all electrical equipment inside of enclosures provided that the maximum dissipation does not pass through the permissible limits. Body and cover can be drilled and threaded according to customers specification. In accordance with rules, only Tavanomran can perform the drilling.

## ACCESSORIES UPON REQUEST

All kinds of electrical equipment, including: Circuit breakers,Signal lamps, Disconnectors, Remote control switches, Transformers, etc. can be installed inside. Control, Monitoring and Signaling devices can be installed on the Mounting plate. More info of devices at the end. Interior anti-condensation painting. Drain and Breather valve.



perex Ex

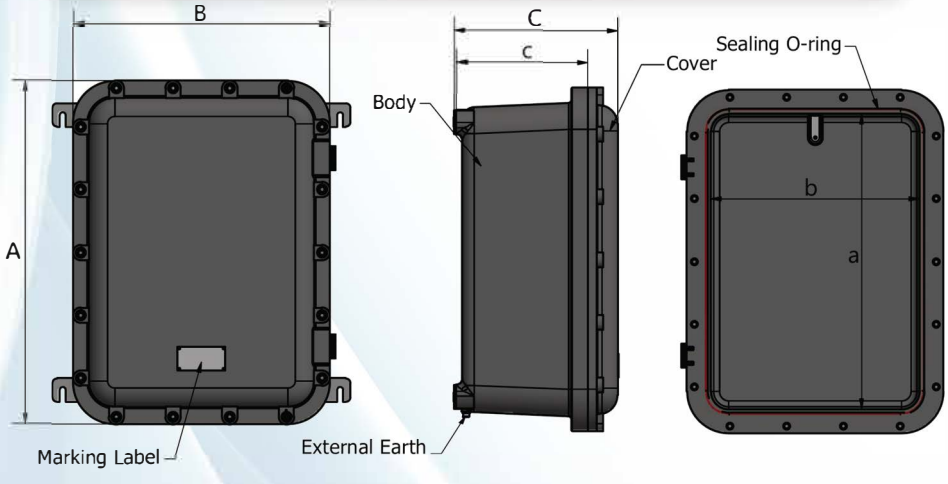
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## Explosion Proof Junction Box

## EJB/EJBP Series

### DIMENSIONS (mm)

| code | Outside | | | Inside | | | Weight |
|---|---|---|---|---|---|---|---|
| | A | B | C | a | b | c | kg |
| EJB-01/ EJBP-01 | 205 | 205 | 204 | 141 | 150 | 146 | 7 |
| EJB-1/ EJBP-1 | 345 | 205 | 204 | 281 | 150 | 146 | 11 |
| EJB-2/ EJBP-2 | 425 | 325 | 230 | 361 | 253 | 164 | 26 |
| EJB-3/ EJBP-3 | 475 | 375 | 240 | 411 | 303 | 165 | 29 |
| EJB-4/ EJBP-4 | 575 | 430 | 300 | 511 | 358 | 225 | 44 |
| EJB-5A/ EJBP-5A | 655 | 455 | 346 | 583 | 383 | 261 | 52 |
| EJB-5B/ EJBP-5B | 655 | 455 | 280 | 591 | 383 | 205 | 50 |
| EJB-6/ EJBP-6 | 850 | 650 | 400 | 786 | 578 | 325 | 160 |
| EJB-7/ EJBP-6 | 1000 | 700 | 400 | 890 | 590 | 325 | 210 |




### POWER DISSIPATION & TEMPERATURE CLASS

| Code | Maximum allowed power dissipation (W) T ambient: -30°C≤Ta≤55°C | | | |
|---|---|---|---|---|
| | T6 T85°C | T5 T100°C | T4 T135°C | T3 T200°C |
| EJB-01/ EJBP-01 | 30 | 53 | 82 | 105 |
| EJB-1/ EJBP-1 | 43 | 62 | 99 | 123 |
| EJB-2/ EJBP-2 | 58 | 79 | 119 | 159 |
| EJB-3/ EJBP-3 | 73 | 99 | 142 | 194 |
| EJB-4/ EJBP-4 | 94 | 126 | 174 | 221 |
| EJB-5A/ EJBP-5A | 113 | 153 | 201 | 250 |
| EJB-5B/ EJBP-5B | 139 | 180 | 238 | 279 |
| EJB-6/ EJBP-6 | 166 | 203 | 261 | 303 |
| EJB-7/ EJBP-6 | 190 | 235 | 289 | 340 |

perex Ex

# Tavan Omran Sanat Samaneh Co.

## Control, Monitoring & Signaling

## M-Series

| | |
|---|---|
| CERTIFICATE | 2195 25 ATEX 034 X |
| MARKING Ex | II 2G Ex db IIB+H2 T6...T3 Gb |
| | II 2D Ex tb IIIC T85°C...T200°C Db |
| DIRECTIVE | 2014/34/EU |
| STANDARD | EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024 |
| INSTALLATION | zone 1 - 2 - 21 - 22 |
| PROTECTION | IP66 |

## DESCRIPTION

M-Series devices are installed as external accessories on Perex EJBP Series enclosures.

## FEATURES

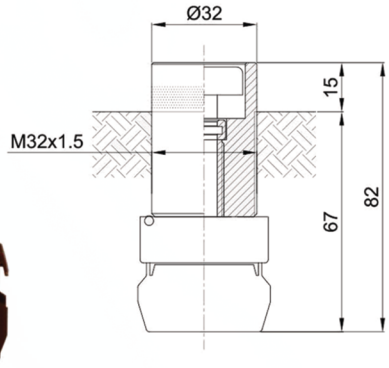
Outer body Aluminium/Brass. Internal bush Stainless steel/Brass.
silicone/Epdm Gaskets. Contact mounting snaps onto special flange,
which assures quick connection. Epoxy coating RAL 7035 or other colors.
Rated voltage 600V. Rated current 10A. Impulse withstand voltage 4kV.

## M-PB Serie

NO and NC Push-buttons.
Comes in choice of two colors.

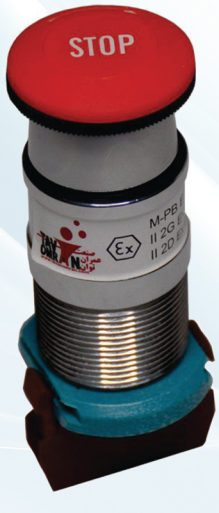
| | |
|---|---|
| RED | M-PB-R |
| GREEN | M-PB-G |

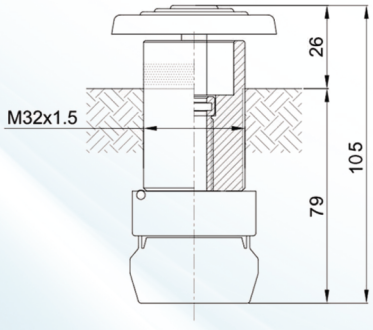





## M-EP Serie

Emergency stop red Mushroom-head Push-button
with standard contacts 10A 600V 1NO+1NC.




perex Ex

# Tavan Omran Sanat Samaneh Co.

## Control, Monitoring & Signaling

## M-Series

## M-KP Serie

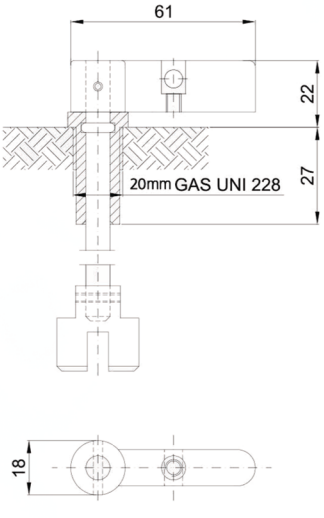
Key-to-release Emergency stop Push-button with standard 10A 600V contacts. Comprises a red button with key mechanism for Push-button release (use key to release when button is pressed).



## M-RS Serie

Padlockable handle for special switches (3RV motor protectors).






## M-SL Serie

Indicator light lamps.
12/240 V(AC/DC) on request*.
Comes in choise of five colors.

| | |
|---|---|
| Blue | M-SL-B |
| Yellow | M-SL-Y |
| Red | M-SL-R |
| Green | M-SL-G |
| White | M-SL-W |

*Supported lamp voltages : 12V, 24V, 110V, 240V. both AC and DC.



perex