

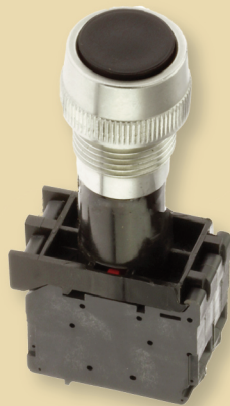
# PUSH BUTTON

series  
**RX - RS**

|            |       |       |      |                                    |
|------------|-------|-------|------|------------------------------------|
| Protection | Gas   | 1-2   | II2G | Ex db IIC or IIB+H <sub>2</sub> Gb |
|            | Dusts | 21-22 | II2D | Ex tb IIIC Db                      |
|            | Mine  | n.d.  | IM2  | Ex db I Mb                         |

|                      |      |
|----------------------|------|
| Degree of Protection | IP66 |
|----------------------|------|

|            |          |                                                                                     |       |                                                                                     |       |
|------------|----------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Amb. Temp. | Standard |  | -20°C |  | +40°C |
|            |          |                                                                                     | -50°C |                                                                                     | +80°C |



Standards and Certificates



Directive 2014/34/EU (ATEX)

EN 60079-0 • EN 60079-1 • EN 60079-31

U

INERIS 14 ATEX 9009U



IEC 60079-0 • IEC 60079-1 • IEC 60079-31

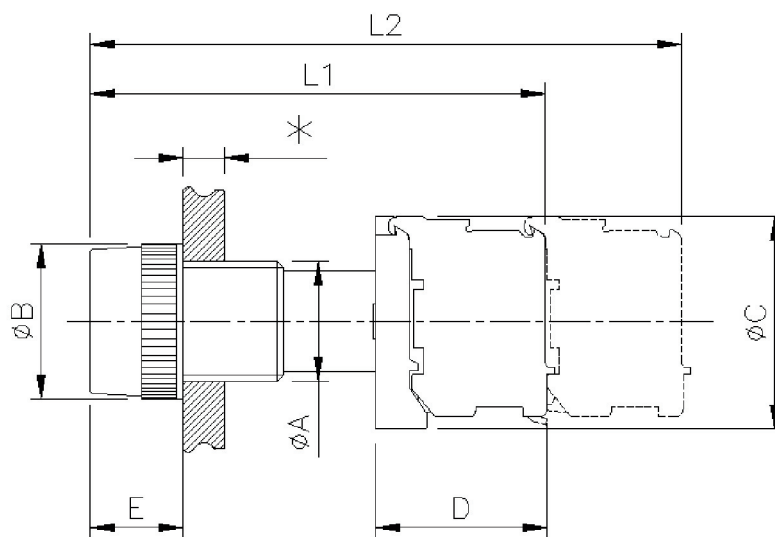
IECEx INE 14.0023U

- Body in Nickel plated Brass.
- Drive shafts in Stainless Steel AISI 316L.
- Push Button in Polyamide 6 (on request Stainless Steel).
- Ring nuts in Nickel plated Brass (on request Stainless Steel or Polycarbonate).
- Operating temperature: -50°C ÷ +180°C.

Options

- Stainless Steel version (RX...I & RS...I).
- Two or more contacts available.

- Color of push button different than black (standard): red, green, yellow, white or blue.



## NOTES

The control and signaling units get same temperature class as the enclosure on which they are installed.

(\*) Units RX.. shall be installed on enclosures with internal volume up to 2 dm<sup>3</sup>; whereas units RS.. shall be installed on enclosures with volume up to 160,6 dm<sup>3</sup> for group IIB+H<sub>2</sub> and up to 62,9 dm<sup>3</sup> for group IIC.

These units may be installed on electrical equipment suitable for group IM2 (fire-damp mines) if no component is made of light alloy. In such case mode of protection will be labelled Ex db I Mb.

(\*) See page B11 for enclosures CCA-CPS, page B21 for CCL-CPL and page B31 for CCF.

Contacts: more information on page C23.

| Type   | ØA Threading | ØB | ØC | D  | E  | L1 | L2  | Weight (g) |
|--------|--------------|----|----|----|----|----|-----|------------|
| RX1P.. | M20x1,5      | 26 | 38 | 29 | 16 | 72 | 95  | 59         |
| RX2P.. | M25x1,5      | 32 | 38 | 29 | 16 | 72 | 95  | 71         |
| RS1P.. | M20x1,5      | 26 | 38 | 29 | 16 | 78 | 101 | 69         |
| RS2P.. | M25x1,5      | 32 | 38 | 29 | 16 | 78 | 101 | 98         |

## Example: RX2PK-01

Order Coding

| Type                                | Size               | Main Function         | Push button color | Electric Contact      |
|-------------------------------------|--------------------|-----------------------|-------------------|-----------------------|
| <b>RX</b> = V<2 dm <sup>3</sup> (*) | <b>1</b> = M20x1,5 | <b>P</b> = Pushbutton | <b>K</b> = black  | <b>10</b> = 1 NO      |
| <b>RS</b> = V>2 dm <sup>3</sup> (*) | <b>2</b> = M25x1,5 |                       | <b>G</b> = green  | <b>01</b> = 1 NC      |
|                                     |                    |                       | <b>Y</b> = yellow | <b>11</b> = 1 NO+1 NC |
|                                     |                    |                       | <b>R</b> = red    |                       |
|                                     |                    |                       | <b>W</b> = white  |                       |
|                                     |                    |                       | <b>B</b> = blue   |                       |

## PUSH BUTTON - RESET

series  
**RX - RS**

### NOTES

The control and signaling units get same temperature class as the enclosure on which they are mounted.

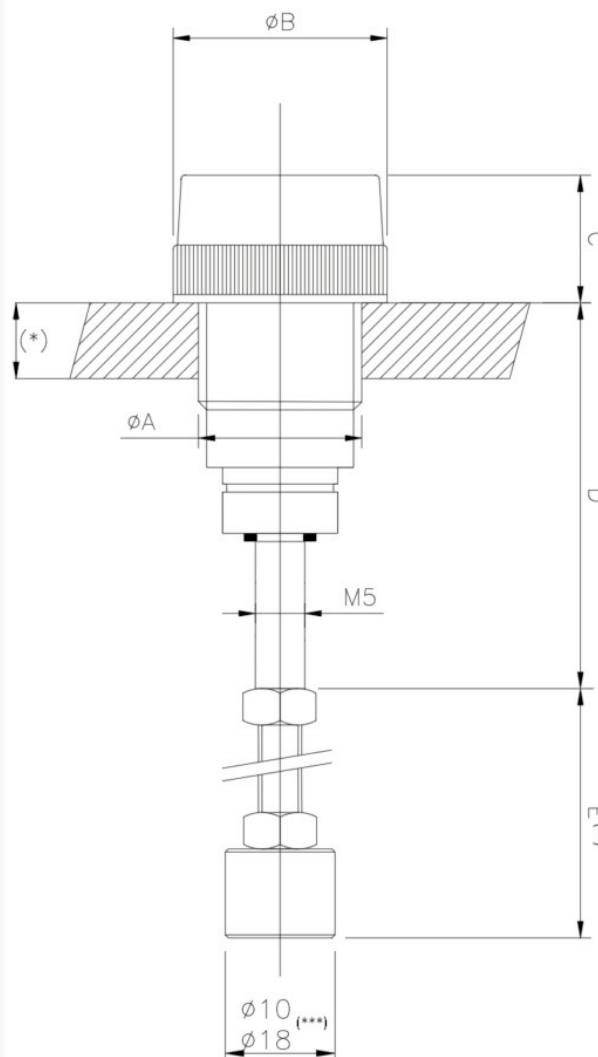
(°) Units RX.. shall be installed on enclosures with internal volume up to 2 dm<sup>3</sup>; whereas units RS.. shall be installed on enclosures with volume up to 160,6 dm<sup>3</sup> for group IIB+H2 and up to 62,9 dm<sup>3</sup> for group IIC.

These units may be mounted on electrical equipment suitable for group IM2 (firedamp mines) if no component is made of light alloy. The resulting mode of protection will be Ex db I Mb.

(\*) See page B11 for enclosures CCA-CPS, page B21 for CCL-CPL and page B31 for CCF.

(\*\*) The one indicated is the standard lenght. Custom lenghts available on demand.

(\*\*\*) Available in two different diameters of probe (to be defined in the order)



| Type   | ØA<br>Threading | ØB | C  | D  | E   | Weight<br>(g) |
|--------|-----------------|----|----|----|-----|---------------|
| RX1P.. | M20x1,5         | 25 | 15 | 44 | 115 | 59            |
| RX2P.. | M25x1,5         | 32 | 15 | 42 | 115 | 71            |
| RS1P.. | M20x1,5         | 25 | 15 | 50 | 115 | 69            |
| RS2P.. | M25x1,5         | 32 | 15 | 48 | 115 | 98            |

### Example: RX2PRK

Order Coding

Type

**RX** = V<2 dm<sup>3</sup> (°)

**RS** = V>2 dm<sup>3</sup> (°)

Size

**1** = M20x1,5

**2** = M25x1,5

Main Function

**PR** = Reset Pushbutton

Push button Color

**K** = black

**G** = green

**Y** = yellow

**R** = red

**W** = white

**B** = blue

# PUSHBUTTON WITH RUBBER MEMBRANE

series  
**RX - RS**

|            |      |       |      |                                    |
|------------|------|-------|------|------------------------------------|
| Protection | Gas  | 1-2   | II2G | Ex db IIC or IIB+H <sub>2</sub> Gb |
|            | Dust | 21-22 | II2D | Ex tb IIIC Db                      |
|            | Mine | n.d.  | IM2  | Ex db I Mb                         |

|                      |      |
|----------------------|------|
| Degree of Protection | IP66 |
|----------------------|------|

|            |                      |                                                                                     |       |                                                                                     |       |
|------------|----------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Amb. Temp. | Standard<br>Extended |  | -20°C |  | +40°C |
|            |                      |                                                                                     | -50°C |                                                                                     | +80°C |



Available colours:  
Colori disponibili:



Standards and Certifications



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EN 60079-0 • EN 60079-1 • EN 60079-31

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IEC 60079-0 • IEC 60079-1 • IEC 60079-31

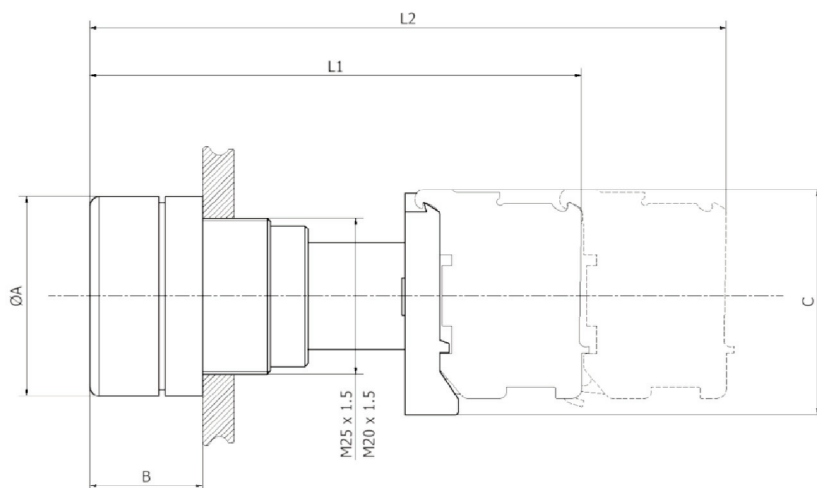
IECEx INE 14.0023U

- Body in nickel plated brass (on request Stainless Steel AISI 316L).
- Drive shafts in Stainless Steel AISI 316L.
- Ring nuts in Nickel plated Brass (on request Stainless Steel AISI 316L).
- Membrane in fluorosilicone rubber, particularly resistant to hydrocarbons.
- Operating temperature: -60°C ÷ +180°C.
- Possibility to mount the ring nuts of the M25 pushbutton on the M20 threaded body (MOD. RX12PX... and RS12PX...).

Options

- Complete Stainless Steel version (RX..PX...I & RS..PX...I).
- Two or more contacts available.

- Possibility to mount the ring nuts with membrane on pre-installed units or replace the worn membrane.



## NOTES

The control and signaling units get same temperature class as the enclosure on which they are installed.

These units may be installed on electrical equipment suitable for group IM2 (firedamp mines) and mode of protection will be labelled Ex db I Mb

Contacts: more information on page C23.

| Type     | ØA | Threading | B  | ØC | L1 | L2  | Weight (g) |
|----------|----|-----------|----|----|----|-----|------------|
| RX1PX..  | 27 | M20 x 1,5 | 17 | 38 | 72 | 95  | 82         |
| RX12PX.. | 32 | M20 x 1,5 | 18 | 38 | 72 | 95  | 108        |
| RX2PX..  | 32 | M25 x 1,5 | 18 | 38 | 72 | 95  | 110        |
| RS1PX..  | 27 | M20 x 1,5 | 17 | 38 | 78 | 101 | 94         |
| RS12PX.. | 32 | M20 x 1,5 | 18 | 38 | 78 | 101 | 122        |
| RS2PX..  | 32 | M25 x 1,5 | 18 | 38 | 78 | 101 | 130        |

## Example: RX2PXK-01

Order Coding

| Type                                  |
|---------------------------------------|
| <b>RX</b> = V < 2 dm <sup>3</sup> (°) |
| <b>RS</b> = V > 2 dm <sup>3</sup> (°) |

| Size               |
|--------------------|
| <b>1</b> = M20x1,5 |
| <b>2</b> = M25x1,5 |

| Main function          |
|------------------------|
| <b>P</b> = Push Button |

| Button type         |
|---------------------|
| <b>X</b> = Membrane |

| Push button color |
|-------------------|
| <b>K</b> = black  |
| <b>G</b> = green  |
| <b>R</b> = red    |
| <b>W</b> = white  |
| <b>B</b> = blue   |
| <b>Y</b> = yellow |
| <b>S</b> = grey   |

| Electric contact      |
|-----------------------|
| <b>10</b> = 1 NO      |
| <b>01</b> = 1 NC      |
| <b>11</b> = 1 NO+1 NC |

# ILLUMINATED PUSH BUTTON

series  
**RX - RS**

|            |       |       |      |                                    |
|------------|-------|-------|------|------------------------------------|
| Protection | Gas   | 1-2   | II2G | Ex db IIC or IIB+H <sub>2</sub> Gb |
|            | Dusts | 21-22 | II2D | Ex tb IIIC Db                      |
|            | Mine  | n.d.  | IM2  | Ex db I Mb                         |

|                      |      |
|----------------------|------|
| Degree of Protection | IP66 |
|----------------------|------|

|            |          |                                                                                           |                                                                                           |
|------------|----------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Amb. Temp. | Standard |  -20°C |  +40°C |
|            | Extended |  -50°C |  +80°C |



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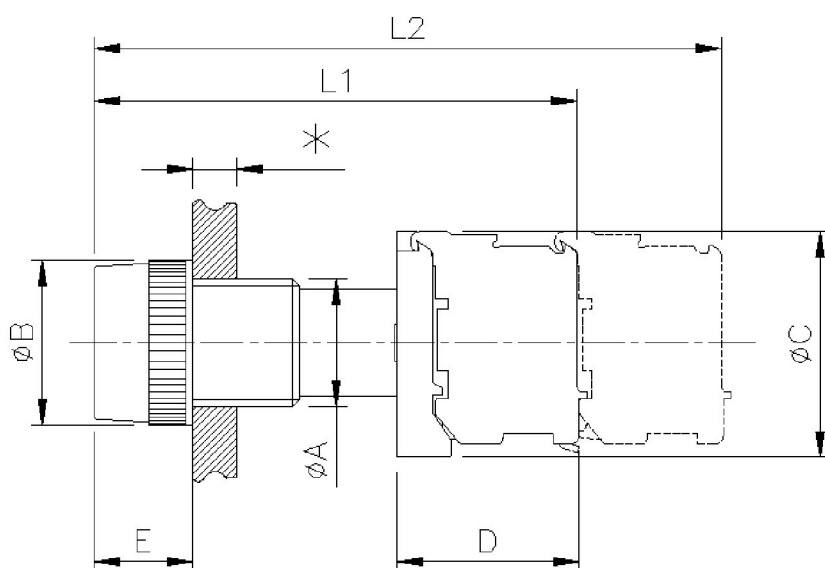
IECEx INE 14.0023U

- Illuminated pushbutton with LED lamp.
- Body in Nickel plated Brass.
- Drive shafts in Stainless Steel AISI 316L.
- Push Button in Polyamide 6.
- Ring nuts in Nickel plated Brass (on request Stainless Steel or Polycarbonate).
- Operating temperature: -50°C ÷ +180°C.

Options

- Complete Stainless Steel version (RX...I & RS...I).
- LED lamps with different voltages and colors.

- Two or more contacts available.
- Different push button color: red, green, yellow, white or blue.



## NOTES

The control and signaling units get same temperature class as the enclosure on which they are installed.

(\*) Units RX.. shall be installed on enclosures with internal volume up to 2 dm<sup>3</sup>; whereas units RS.. shall be installed on enclosures with volume up to 160,6 dm<sup>3</sup> for group IIB+H<sub>2</sub> and up to 62,9 dm<sup>3</sup> for group IIC.

These units may be installed on electrical equipment suitable for group IM2 (fire-damp mines) if no component is made of light alloy. In such case mode of protection will be labelled Ex db I Mb.

(\*) See page B11 for enclosures CCA-CPS, page B21 for CCL-CPL and page B31 for CCF.

Contacts: more information on page C23.

| Type    | ØA Threading | ØB | ØC | D  | E  | L1 | L2  | Weight (g) |
|---------|--------------|----|----|----|----|----|-----|------------|
| RX2PL.. | M25x1,5      | 32 | 38 | 29 | 16 | 72 | 95  | 91         |
| RS2PL.. | M25x1,5      | 32 | 38 | 29 | 16 | 78 | 101 | 104        |

## Example: RS2PLR-103

Order Coding

|                              |             |                             |                         |                  |                |
|------------------------------|-------------|-----------------------------|-------------------------|------------------|----------------|
| Type                         | Size        | Main Function               | Push button / LED color | Electric Contact | LED Voltage    |
| RX = V<2 dm <sup>3</sup> (*) | 2 = M25x1,5 | PL = Illuminated Pushbutton | G = green               | 10 = 1 NO        | 3 = 24 V ac/dc |
| RS = V>2 dm <sup>3</sup> (*) |             |                             | Y = yellow              | 01 = 1 NC        | 5 = 120 V ac   |
|                              |             |                             | R = red                 | 11 = 1 NO+1 NC   | 7 = 230 V ac   |
|                              |             |                             | W = white               |                  |                |
|                              |             |                             | B = blue                |                  |                |

