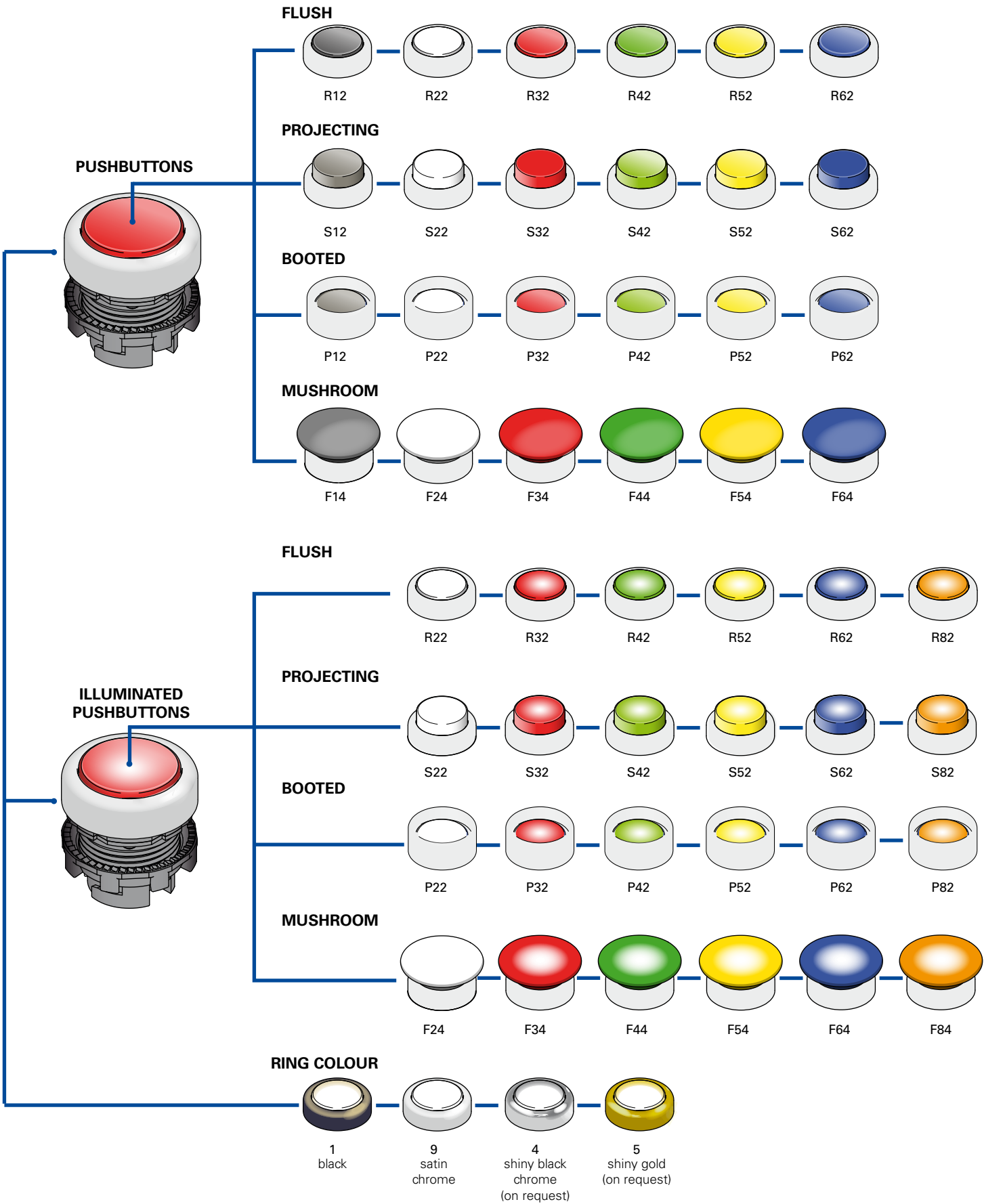


Selection diagram



Pushbuttons code structure

| article             |               | options                                   |                                 |
|---------------------|---------------|-------------------------------------------|---------------------------------|
| E2 1PU1R1210        |               | -T6                                       |                                 |
| Pushbutton function |               | Ambient temperature                       |                                 |
| 1                   | stay-put      |                                           | -25°C ... +85°C (standard)      |
| 2                   | spring-return | T6                                        | -40°C ... +85°C                 |
| Pushbutton shape    |               | Pushbutton marking                        |                                 |
| R                   | flush         | 0                                         | without marking                 |
| S                   | projecting    | L1                                        | O                               |
| P                   | booted        | L2                                        | I                               |
| F                   | mushroom      | ...                                       | .....                           |
|                     |               | Other markings on request. See page 3/73. |                                 |
| Pushbutton colour   |               | Ring colour                               |                                 |
| 0                   | without lens  | 1                                         | black (standard)                |
| 1                   | black         | 9                                         | satin-finish chrome (standard)  |
| 2                   | white         | 4                                         | shiny black chrome (on request) |
| 3                   | red           | 5                                         | shiny gold (on request)         |
| 4                   | green         |                                           |                                 |
| 5                   | yellow        | Pushbutton diameter                       |                                 |
| 6                   | blue          | 2                                         | Ø 20 mm                         |
|                     |               | 4                                         | Ø 36 mm (mushroom only)         |

**Attention!** The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

Illuminated pushbuttons code structure

| article             |               | options                                   |                                 |
|---------------------|---------------|-------------------------------------------|---------------------------------|
| E2 1PL1R2210        |               | -T6                                       |                                 |
| Pushbutton function |               | Ambient temperature                       |                                 |
| 1                   | stay-put      |                                           | -25°C ... +85°C (standard)      |
| 2                   | spring-return | T6                                        | -40°C ... +85°C                 |
| Pushbutton shape    |               | Pushbutton marking                        |                                 |
| R                   | flush         | 0                                         | without marking                 |
| S                   | projecting    | L1                                        | O                               |
| P                   | booted        | L2                                        | I                               |
| F                   | mushroom      | ...                                       | .....                           |
|                     |               | Other markings on request. See page 3/73. |                                 |
| Pushbutton colour   |               | Ring colour                               |                                 |
| 0                   | without lens  | 1                                         | black (standard)                |
| 2                   | white         | 9                                         | satin-finish chrome (standard)  |
| 3                   | red           | 4                                         | shiny black chrome (on request) |
| 4                   | green         | 5                                         | shiny gold (on request)         |
| 5                   | yellow        |                                           |                                 |
| 6                   | blue          | Pushbutton diameter                       |                                 |
| 8                   | orange        | 2                                         | Ø 20 mm                         |
|                     |               | 4                                         | Ø 36 mm (mushroom only )        |

**Attention!** The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.



Technical data

General data

|                                     |                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Protection degree:                  | IP67 according to IEC 60529<br>IP69K according to DIN 40050                                                        |
| Ambient temperature:                | -25°C +80°C                                                                                                        |
| Mechanical endurance:               | 15 million operations cycles<br>(Spring-return pushbutton)<br>1 million operations cycles<br>(Stay-put pushbutton) |
| Max operating frequency:            | 3600 operations cycles/hour                                                                                        |
| Actuating travel:                   | 2,6 mm (NO contact)<br>1,2 mm (NC contact)                                                                         |
| Actuating force:                    | 4,7 N (1 NO contact/spring-return pushbutton)<br>3,8 N (1 NC contact/spring-return pushbutton)                     |
| Additional contact actuating force: | + 2,6 N (1 NO contact)<br>+ 1,7 N (1 NC contact)                                                                   |
| Maximum travel:                     | 5 mm                                                                                                               |
| Ring driving torque:                | 2 ... 2,5 Nm                                                                                                       |
| Utilization requirements:           | see page 3/74                                                                                                      |

Main features

- 4 different shapes
- Standard or illuminated versions
- Reduced actuating force
- Protection degree IP67 and IP69K
- Stay-put or spring-return versions

In conformity with standards:

IEC 60947-1, IEC 60947-5-1, IEC 60204-1, EN 60947-1, EN 60947-5-1, EN 60204-1, UL 508, CSA 22-2 N°14

⚠ Installation for safety applications:

Use only switches with marking with the symbol ⊕. The safety circuit must always be connected with the **NC contacts** (normally closed contacts: 1-2) as stated in the standard EN 60947-5-1, encl. K, par. 2.

Markings and quality marks:



In conformity with requirements requested by:

Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC and Electromagnetic Compatibility 2004/108/EC.

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1, VDE 0660-206.

General characteristics

Shape

Available in standard or illuminated (LED illumination) versions, the pushbuttons can be flush, projecting, booted or mushroom.

Functions

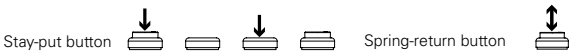
Depending on the application, Pizzato Elettrica EROUND pushbuttons are available in two versions: stay-put (once the button is pushed a second manual intervention is needed to release it) and spring-return (the pushbutton hasn't any stable stop system).

Protection degree IP67 and IP69K

**IP69K**  
**IP67**

Designed to be employed also in severe environment conditions, Pizzato Elettrica pushbuttons have protection degree IP67 and IP69K, suitable for use in machineries subjected to intense washing with high pressure and high temperature

water jets.



Customizing possibilities

In order to suit the various requests and needs of the customers, Pizzato Elettrica offers the possibility to customize the EROUND control and signalling devices: the rings can be requested in different colours (gold satinized, bright black chrome, black and satin chrome), while the lens can be customized with inscriptions, symbols and colours.

Mechanical endurance

Thanks to the particular design and the materials employed, the spring-return pushbuttons have passed 15 million operations, guaranteeing a remarkable mechanical endurance.

Temperature range extended

**-40°C**

Special versions can be ordered for use in environments where the temperature changes from +80°C to -40°C.

They can be installed inside cold stores, sterilizers or other equipments with very low ambient temperature. Special materials that have been used to realize these versions, maintain unchanged their features also in these conditions, widening the installation possibilities.

## Pushbuttons selection table

| Actuator colour and marking                                                         | Flush         |                   | Projecting    |                   | Booted        |                   | Mushroom      |                   |
|-------------------------------------------------------------------------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|
|                                                                                     | black ring    | satin chrome ring | black ring    | satin chrome ring | black ring    | satin chrome ring | black ring    | satin chrome ring |
|    | E2 1PU2R0210  | E2 1PU2R0290      | -             | -                 | E2 1PU2P0210  | E2 1PU2P0290      | -             | -                 |
|    | E2 1PU2R1210  | E2 1PU2R1290      | E2 1PU2S1210  | E2 1PU2S1290      | E2 1PU2P1210  | E2 1PU2P1290      | E2 1PU2F1410  | E2 1PU2F1490      |
|    | E2 1PU2R2210  | E2 1PU2R2290      | E2 1PU2S2210  | E2 1PU2S2290      | E2 1PU2P2210  | E2 1PU2P2290      | E2 1PU2F2410  | E2 1PU2F2490      |
|    | E2 1PU2R3210  | E2 1PU2R3290      | E2 1PU2S3210  | E2 1PU2S3290      | E2 1PU2P3210  | E2 1PU2P3290      | E2 1PU2F3410  | E2 1PU2F3490      |
|    | E2 1PU2R4210  | E2 1PU2R4290      | E2 1PU2S4210  | E2 1PU2S4290      | E2 1PU2P4210  | E2 1PU2P4290      | E2 1PU2F4410  | E2 1PU2F4490      |
|    | E2 1PU2R5210  | E2 1PU2R5290      | E2 1PU2S5210  | E2 1PU2S5290      | E2 1PU2P5210  | E2 1PU2P5290      | E2 1PU2F5410  | E2 1PU2F5490      |
|    | E2 1PU2R6210  | E2 1PU2R6290      | E2 1PU2S6210  | E2 1PU2S6290      | E2 1PU2P6210  | E2 1PU2P6290      | E2 1PU2F6410  | E2 1PU2F6490      |
|    | E2 1PU2R321L1 | E2 1PU2R329L1     | E2 1PU2S321L1 | E2 1PU2S329L1     | -             | -                 | E2 1PU2F341L1 | E2 1PU2F349L1     |
|   | E2 1PU2R421L2 | E2 1PU2R429L2     | E2 1PU2S421L2 | E2 1PU2S429L2     | E2 1PU2P421L2 | E2 1PU2P429L2     | E2 1PU2F441L2 | E2 1PU2F449L2     |
|  | E2 1PU2R121L1 | E2 1PU2R129L1     | E2 1PU2S121L1 | E2 1PU2S129L1     | -             | -                 | E2 1PU2F141L1 | E2 1PU2F149L1     |
|  | E2 1PU2R221L2 | E2 1PU2R229L2     | E2 1PU2S221L2 | E2 1PU2S229L2     | E2 1PU2P221L2 | E2 1PU2P229L2     | E2 1PU2F241L2 | E2 1PU2F249L2     |

For ordering a stay-put pushbutton substitute in the article codes 1PU2 with 1PU1.

Example: E2 1PU2R0210 → E2 1PU1R0210

## Illuminated pushbuttons selection table

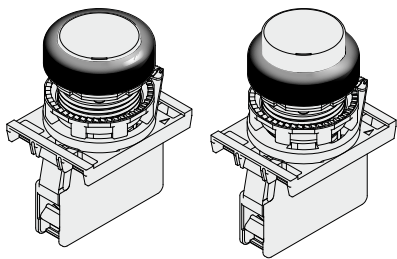
| Actuator colour and marking                                                         | Flush         |                   | Projecting    |                   | Booted        |                   | Mushroom      |                   |
|-------------------------------------------------------------------------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|
|                                                                                     | black ring    | satin chrome ring | black ring    | satin chrome ring | black ring    | satin chrome ring | black ring    | satin chrome ring |
|  | E2 1PL2R0210  | E2 1PL2R0290      | -             | -                 | E2 1PL2P0210  | E2 1PL2P0290      | -             | -                 |
|  | E2 1PL2R2210  | E2 1PL2R2290      | E2 1PL2S2210  | E2 1PL2S2290      | E2 1PL2P2210  | E2 1PL2P2290      | E2 1PL2F2410  | E2 1PL2F2490      |
|  | E2 1PL2R3210  | E2 1PL2R3290      | E2 1PL2S3210  | E2 1PL2S3290      | E2 1PL2P3210  | E2 1PL2P3290      | E2 1PL2F3410  | E2 1PL2F3490      |
|  | E2 1PL2R4210  | E2 1PL2R4290      | E2 1PL2S4210  | E2 1PL2S4290      | E2 1PL2P4210  | E2 1PL2P4290      | E2 1PL2F4410  | E2 1PL2F4490      |
|  | E2 1PL2R5210  | E2 1PL2R5290      | E2 1PL2S5210  | E2 1PL2S5290      | E2 1PL2P5210  | E2 1PL2P5290      | E2 1PL2F5410  | E2 1PL2F5490      |
|  | E2 1PL2R6210  | E2 1PL2R6290      | E2 1PL2S6210  | E2 1PL2S6290      | E2 1PL2P6210  | E2 1PL2P6290      | E2 1PL2F6410  | E2 1PL2F6490      |
|  | E2 1PL2R8210  | E2 1PL2R8290      | E2 1PL2S8210  | E2 1PL2S8290      | E2 1PL2P8210  | E2 1PL2P8290      | E2 1PL2F8410  | E2 1PL2F8490      |
|  | E2 1PL2R321L1 | E2 1PL2R329L1     | E2 1PL2S321L1 | E2 1PL2S329L1     | -             | -                 | E2 1PL2F341L1 | E2 1PL2F349L1     |
|  | E2 1PL2R421L2 | E2 1PL2R429L2     | E2 1PL2S421L2 | E2 1PL2S429L2     | E2 1PL2P421L2 | E2 1PL2P429L2     | E2 1PL2F441L2 | E2 1PL2F449L2     |
|  | E2 1PL2R221L1 | E2 1PL2R229L1     | E2 1PL2S221L1 | E2 1PL2S229L1     | -             | -                 | E2 1PL2F241L1 | E2 1PL2F249L1     |
|  | E2 1PL2R221L2 | E2 1PL2R229L2     | E2 1PL2S221L2 | E2 1PL2S229L2     | E2 1PL2P221L2 | E2 1PL2P229L2     | E2 1PL2F241L2 | E2 1PL2F249L2     |

For ordering a stay-put pushbutton substitute in the article codes 1PL2 with 1PL1.

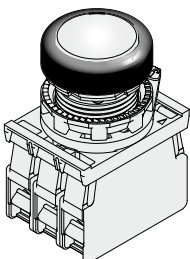
Example: E2 1PL2R0210 → E2 1PL1R0210

Items with code on the **green** background are available in stock

Complete units with pushbuttons



Complete units with illuminated pushbuttons



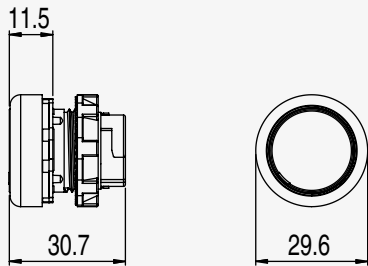
| Actuator colour and marking                                                              | Contacts |                                                                                            |       | Flush                                                        | Projecting                                                   |
|------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------|--------------------------------------------------------------|
|                                                                                          | pos 2    | pos 3                                                                                      | pos 1 | black ring                                                   | black ring                                                   |
|  black   | -        | 1NO                                                                                        | -     | E2 AC-DXBC1204<br>E2 1PU2R1210 +<br>E2 1BAC11 + E2 CP10G2V1  |                                                              |
|  white   | -        | 1NO                                                                                        | -     | E2 AC-DXBC1200<br>E2 1PU2R2210 +<br>E2 1BAC11 + E2 CP10G2V1  |                                                              |
|  red     | -        | 1NC<br>   | -     | E2 AC-DXBC1208<br>E2 1PU2R3210 +<br>E2 1BAC11 + E2 CP01G2V1  | E2 AC-DXBC1209<br>E2 1PU2S3210 +<br>E2 1BAC11 + E2 CP01G2V1  |
|  green   | -        | 1NO                                                                                        | -     | E2 AC-DXBC1201<br>E2 1PU2R4210 +<br>E2 1BAC11 + E2 CP10G2V1  |                                                              |
|  yellow  | -        | 1NO                                                                                        | -     | E2 AC-DXBC1206<br>E2 1PU2R5210 +<br>E2 1BAC11 + E2 CP10G2V1  |                                                              |
|  blue    | -        | 1NO                                                                                        | -     | E2 AC-DXBC1207<br>E2 1PU2R6210 +<br>E2 1BAC11 + E2 CP10G2V1  |                                                              |
|  red     | -        | 1NC<br>   | -     | E2 AC-DXBC1211<br>E2 1PU2R321L1 +<br>E2 1BAC11 + E2 CP01G2V1 | E2 AC-DXBC1212<br>E2 1PU2S321L1 +<br>E2 1BAC11 + E2 CP01G2V1 |
|  green  | -        | 1NO                                                                                        | -     | E2 AC-DXBC1210<br>E2 1PU2R421L2 +<br>E2 1BAC11 + E2 CP10G2V1 |                                                              |
|  black | -        | 1NC<br> | -     | E2 AC-DXBC1227<br>E2 1PU2R121L1 +<br>E2 1BAC11 + E2 CP01G2V1 |                                                              |
|  white | -        | 1NO                                                                                        | -     | E2 AC-DXBC1226<br>E2 1PU2R221L2 +<br>E2 1BAC11 + E2 CP10G2V1 |                                                              |

| Actuator colour and marking                                                              | Contacts                                                                                 |       |       | Flush                                                                                        |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|-------|----------------------------------------------------------------------------------------------|
|                                                                                          | pos 2                                                                                    | pos 3 | pos 1 | black ring                                                                                   |
|  white  | 1NC<br> | LED   | 1NO   | E2 AC-DXBC0400<br>E2 1PL2R2210 +<br>E2 1BAC11 + E2 CP01G2V1<br>+ E2 LP1A2V1<br>+ E2 CP10G2V1 |
|  red    | 1NC<br> | LED   | 1NO   | E2 AC-DXBC0402<br>E2 1PL2R3210 +<br>E2 1BAC11 + E2 CP01G2V1<br>+ E2 LP1A3V1<br>+ E2 CP10G2V1 |
|  green  | 1NC<br> | LED   | 1NO   | E2 AC-DXBC0401<br>E2 1PL2R4210 +<br>E2 1BAC11 + E2 CP01G2V1<br>+ E2 LP1A4V1<br>+ E2 CP10G2V1 |
|  yellow | 1NC<br> | LED   | 1NO   | E2 AC-DXBC0404<br>E2 1PL2R5210 +<br>E2 1BAC11 + E2 CP01G2V1<br>+ E2 LP1A2V1<br>+ E2 CP10G2V1 |
|  blue   | 1NC<br> | LED   | 1NO   | E2 AC-DXBC0403<br>E2 1PL2R6210 +<br>E2 1BAC11 + E2 CP01G2V1<br>+ E2 LP1A6V1<br>+ E2 CP10G2V1 |

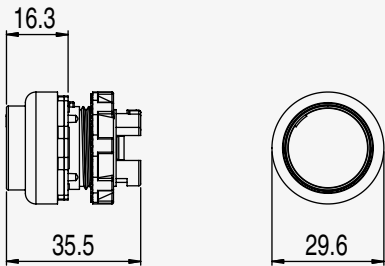
→ For the contact block and LED block characteristics see the respective chapters.

Dimensions

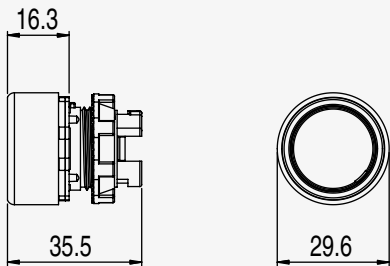
Flush pushbutton



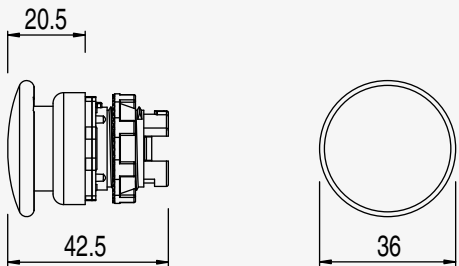
Projecting pushbutton



Booted pushbutton



Mushroom pushbutton



All measures in the drawings are in mm

## Lenses for E2 1PU pushbuttons



### For ordering E2 1PU lenses with marking:

in the article code substitute ●●● with the marking code in the table at page 3/73.  
Example: lens for flush pushbutton with "O" marking, black colour.  
VE LP 21R1●●● → VE LP 21R1L1

| Article      | Marking                                                                             | Description                                                                                       | Colours     | Pcs/Packs |
|--------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------|-----------|
| VE LP21R10   |    | Lens for black flush pushbutton, without marking                                                  | ●           | 10        |
| VE LP21R20   |                                                                                     | Lens for white flush pushbutton, without marking                                                  | ○           | 10        |
| VE LP21R30   |                                                                                     | Lens for red flush pushbutton, without marking                                                    | ●           | 10        |
| VE LP21R40   |                                                                                     | Lens for green flush pushbutton, without marking                                                  | ●           | 10        |
| VE LP21R50   |                                                                                     | Lens for yellow flush pushbutton, without marking                                                 | ●           | 10        |
| VE LP21R60   |                                                                                     | Lens for blue flush pushbutton, without marking                                                   | ●           | 10        |
| VE LP21RA0   |                                                                                     | 6 lens without marking for flush pushbutton, colours: black, white, red, green, yellow, blue      | ● ○ ● ● ● ● | 6         |
| VE LP21S10   |    | Lens for black projecting pushbutton, without marking                                             | ●           | 10        |
| VE LP21S20   |                                                                                     | Lens for white projecting pushbutton, without marking                                             | ○           | 10        |
| VE LP21S30   |                                                                                     | Lens for red projecting pushbutton, without marking                                               | ●           | 10        |
| VE LP21S40   |                                                                                     | Lens for green projecting pushbutton, without marking                                             | ●           | 10        |
| VE LP21S50   |                                                                                     | Lens for yellow projecting pushbutton, without marking                                            | ●           | 10        |
| VE LP21S60   |                                                                                     | Lens for blue projecting pushbutton, without marking                                              | ●           | 10        |
| VE LP21RA0   |                                                                                     | 6 lens without marking for projecting pushbutton, colours: black, white, red, green, yellow, blue | ● ○ ● ● ● ● | 6         |
| VE LP21R1●●● |    | Lens for black flush pushbutton, with marking                                                     | ●           | 1         |
| VE LP21R2●●● |                                                                                     | Lens for white flush pushbutton, with marking                                                     | ○           | 1         |
| VE LP21R3●●● |                                                                                     | Lens for red flush pushbutton, with marking                                                       | ●           | 1         |
| VE LP21R4●●● |                                                                                     | Lens for green flush pushbutton, with marking                                                     | ●           | 1         |
| VE LP21R5●●● |                                                                                     | Lens for yellow flush pushbutton, with marking                                                    | ●           | 1         |
| VE LP21R6●●● |                                                                                     | Lens for blue flush pushbutton, with marking                                                      | ●           | 1         |
| VE LP21S1●●● |  | Lens for black projecting pushbutton, with marking                                                | ●           | 1         |
| VE LP21S2●●● |                                                                                     | Lens for white projecting pushbutton, with marking                                                | ○           | 1         |
| VE LP21S3●●● |                                                                                     | Lens for red projecting pushbutton, with marking                                                  | ●           | 1         |
| VE LP21S4●●● |                                                                                     | Lens for green projecting pushbutton, with marking                                                | ●           | 1         |
| VE LP21S5●●● |                                                                                     | Lens for yellow projecting pushbutton, with marking                                               | ●           | 1         |
| VE LP21S6●●● |                                                                                     | Lens for blue projecting pushbutton, with marking                                                 | ●           | 1         |

## Lenses for E2 1PL illuminated pushbuttons



### For ordering E2 1PL lenses with marking:

in the article code substitute ●●● with the marking code in the table at page 3/73.  
Example: lens for flush pushbutton with "O" marking, black colour.  
VE LP 22R1●●● → VE LP 22R1L1

| Article      | Marking                                                                             | Description                                                                                       | Colours     | Pcs/Packs |
|--------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------|-----------|
| VE LP22R20   |  | Lens for white illuminated flush pushbutton, without marking                                      | ○           | 10        |
| VE LP22R30   |                                                                                     | Lens for red illuminated flush pushbutton, without marking                                        | ●           | 10        |
| VE LP22R40   |                                                                                     | Lens for green illuminated flush pushbutton, without marking                                      | ●           | 10        |
| VE LP22R50   |                                                                                     | Lens for yellow illuminated flush pushbutton, without marking                                     | ●           | 10        |
| VE LP22R60   |                                                                                     | Lens for blue illuminated flush pushbutton, without marking                                       | ●           | 10        |
| VE LP22R80   |                                                                                     | Lens for orange illuminated flush pushbutton, without marking                                     | ●           | 10        |
| VE LP22RA0   |                                                                                     | 6 lens without marking for flush pushbutton, colours: black, white, red, green, yellow, blue      | ○ ● ● ● ● ● | 6         |
| VE LP22S20   |  | Lens for white illuminated projecting pushbutton, without marking                                 | ○           | 10        |
| VE LP22S30   |                                                                                     | Lens for red illuminated projecting pushbutton, without marking                                   | ●           | 10        |
| VE LP22S40   |                                                                                     | Lens for green illuminated projecting pushbutton, without marking                                 | ●           | 10        |
| VE LP22S50   |                                                                                     | Lens for yellow illuminated projecting pushbutton, without marking                                | ●           | 10        |
| VE LP22S60   |                                                                                     | Lens for blue illuminated projecting pushbutton, without marking                                  | ●           | 10        |
| VE LP22S80   |                                                                                     | Lens for orange illuminated projecting pushbutton, without marking                                | ●           | 10        |
| VE LP22SA0   |                                                                                     | 6 lens without marking for projecting pushbutton, colours: black, white, red, green, yellow, blue | ○ ● ● ● ● ● | 6         |
| VE LP22R2●●● |  | Lens for white illuminated flush pushbutton, with marking                                         | ○           | 1         |
| VE LP22R3●●● |                                                                                     | Lens for red illuminated flush pushbutton, with marking                                           | ●           | 1         |
| VE LP22R4●●● |                                                                                     | Lens for green illuminated flush pushbutton, with marking                                         | ●           | 1         |
| VE LP22R5●●● |                                                                                     | Lens for yellow illuminated flush pushbutton, with marking                                        | ●           | 1         |
| VE LP22R6●●● |                                                                                     | Lens for blue illuminated flush pushbutton, with marking                                          | ●           | 1         |
| VE LP22S2●●● |  | Lens for white illuminated projecting pushbutton, with marking                                    | ○           | 1         |
| VE LP22S3●●● |                                                                                     | Lens for red illuminated projecting pushbutton, with marking                                      | ●           | 1         |
| VE LP22S4●●● |                                                                                     | Lens for green illuminated projecting pushbutton, with marking                                    | ●           | 1         |
| VE LP22S5●●● |                                                                                     | Lens for yellow illuminated projecting pushbutton, with marking                                   | ●           | 1         |
| VE LP22S6●●● |                                                                                     | Lens for blue illuminated projecting pushbutton, with marking                                     | ●           | 1         |

Blanking plug



| Article   | Description                                              |
|-----------|----------------------------------------------------------|
| VE AS1211 | Central blanking plug for E2 1PL illuminated pushbuttons |

It closes the illuminated button central hole allowing to install a contact instead of the LED.

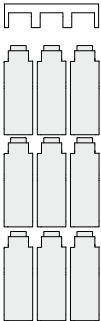
Accessories

➔ [More ACCESSORIES at page 3/71](#)

Contacts maximum number

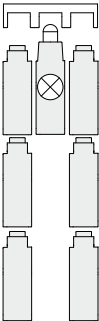


Spring-return pushbuttons  
E2 1PU1 series



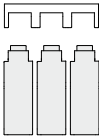
Contacts maximum number: 9

Illuminated spring-return pushbuttons  
E2 1PL1 series



Contacts maximum number: 6

Stay-put pushbuttons  
E2 1PU2 series



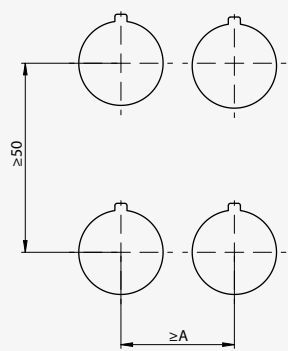
Contacts maximum number: 3

Illuminated stay-put pushbuttons  
E2 1PL2 series



Contacts maximum number: 2

Assembling minimum distances



| Pushbuttons type | A     |
|------------------|-------|
| Flush            | 30 mm |
| Projecting       | 30 mm |
| Booted           | 30 mm |
| Mushroom         | 40 mm |

[illegible]This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin black lines. There are 20 columns and 20 rows of squares, creating a total of 400 square units. The grid covers the entire area of the page, leaving no margins or other markings.