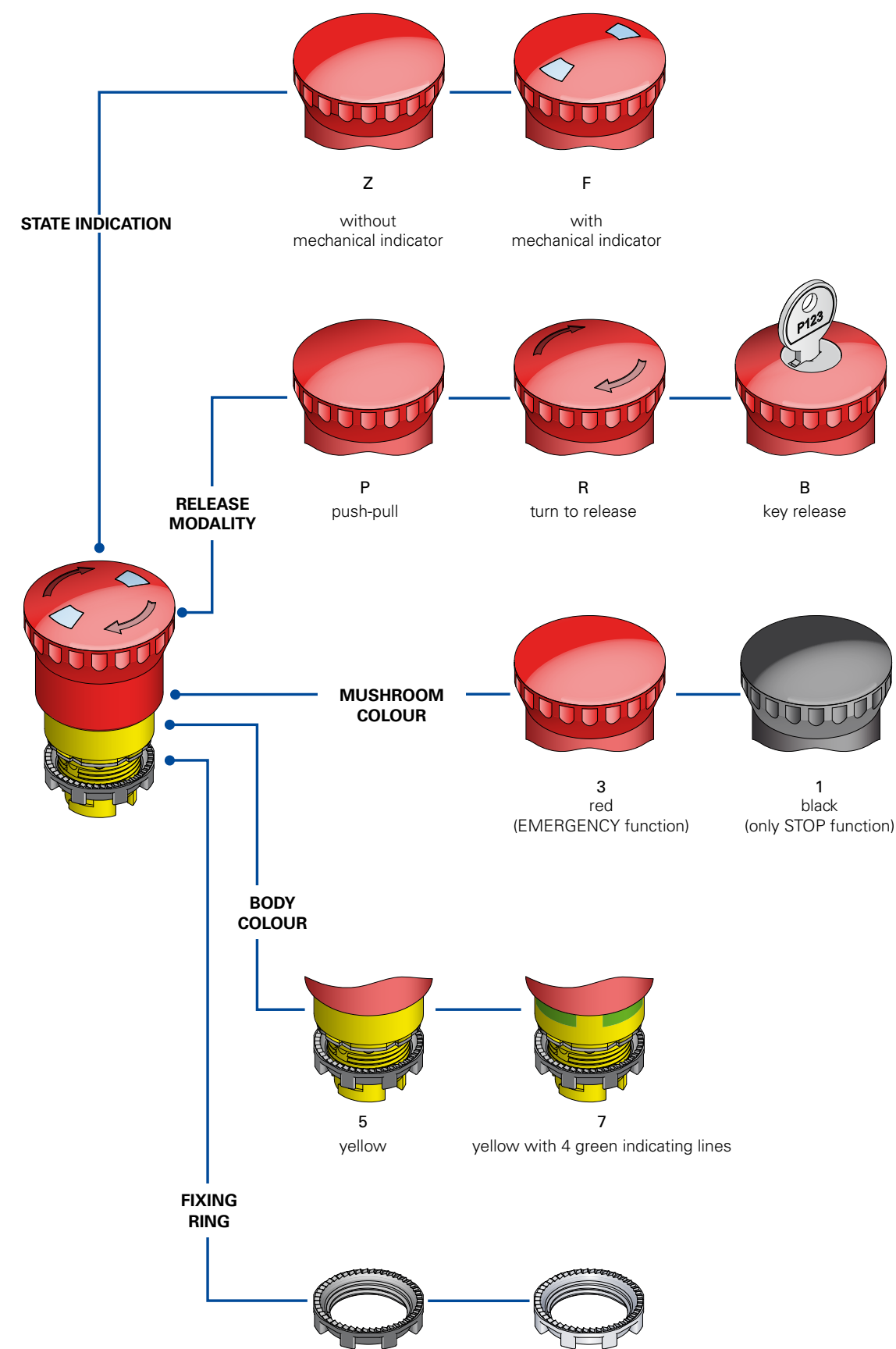
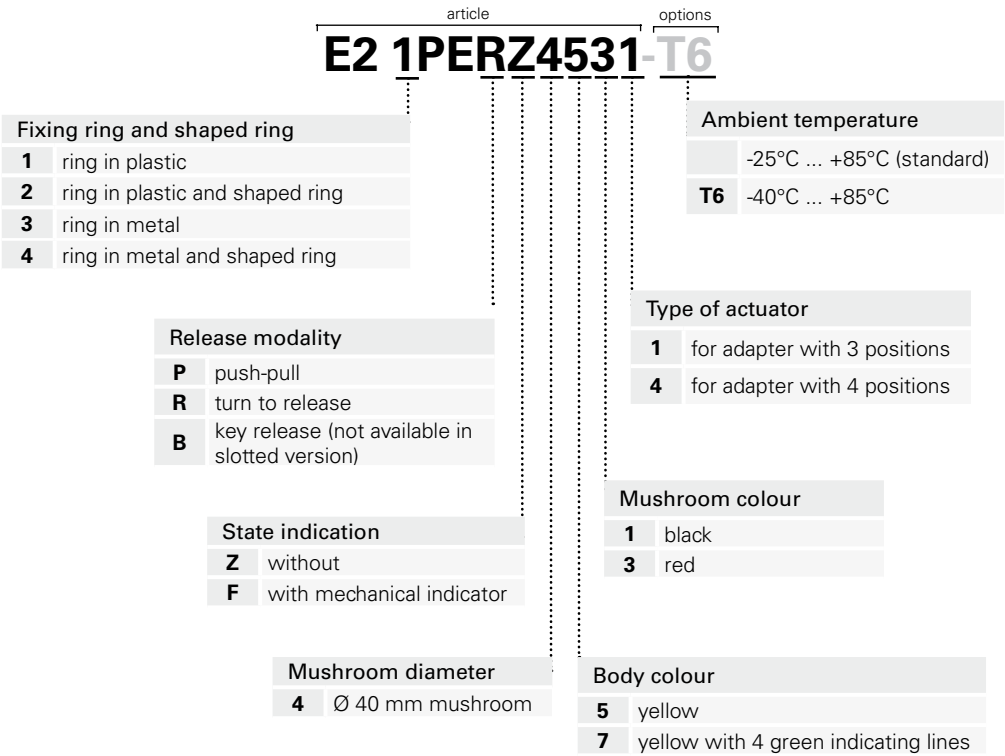


Selection diagram



Emergency pushbuttons code structure



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



Main features

- Protection degree IP67 and IP69K
- 3 different release modality
- Version with mechanical indicator
- Versions for - 40°C

Markings and quality marks:

Approval GOST: POCC IT.AB24.B04512

Technical data

General

Protection degree:	IP67 according to IEC 60529 IP69K according to DIN 40050 ^b
Ambient temperature:	-25°C +80°C
Mechanical endurance:	300.000 operations cycles ¹
Max operating frequency:	3600 operations cycles ¹ /hour
Actuating travel:	4 mm (NO contact), 4 mm (NC contact)
Actuating force:	25 N
Actuating force at end travel:	Push-pull 18,5 N (without contacts) Turn to release 35 N (without contacts)
Maximum travel:	9 mm
Ring driving torque:	2 ... 2,5 Nm
Utilization requirements:	see page 3/98
<small>(1) One operation cycle means two movements, one to close and one to open contacts, as foreseen by EN 60947-5-1 standard.</small>	
<small>(b) Protect the cables from direct high-pressure and high-temperature jets</small>	

In conformity with standards:

IEC 60947-1, IEC 60947-5-1, IEC 60947-5-5, IEC 60204-1, EN 60947-1, EN 60947-5-1, EN 60947-5-5, EN 60204-1, EN ISO 13850, UL 508, CSA 22-2 N°14

⚠ Installation for safety applications:

Use only switches marked 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.

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

State indication

The push-pull and turn to release emergency pushbutton can be provided with a visual state indication through a mechanical indicator. The state is indicated by green colour when the pushbutton is not actuated and red colour when it is actuated.

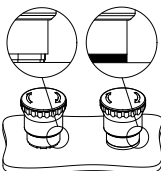
Mechanical endurance

All emergency pushbuttons have been tested to endure 300.000 mechanical cycles.

Fixing ring

A fixing ring in metal is also available in addition to the fixing ring in technopolymer. The fixing ring in metal is particularly suitable for those applications which require tighter fitting of the panel-mounted device, such as for example in metal panels having holes without reference notches. Both rings feature a toothed surface which comes into contact with the inside of the panel in order to make it easier for the device to be secured to the actual panel.

Shaped ring



The shaped ring can be used when no label holders or other devices are applied; it prevents dirt and other residues from settling between the pushbutton and the panel or box. This turns out to be particularly useful in the sectors where high standards of cleanness and hygiene are required.

Available versions

Pizzato Elettrica new emergency pushbuttons, which function is to allow the operator to stop a device or a machine in case of danger by pushing the same button, are classified by their release modality: push-pull, turn to release and key release.

Protection degree IP67 and IP69K

IP69K
IP67

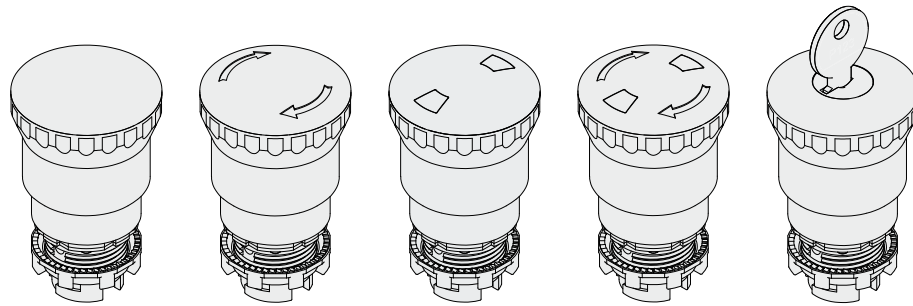
Designed to be employed also in severe environment conditions, Pizzato Elettrica pushbuttons have protection degree IP67 and IP69K, suitable for use in machineries subjected to intense washing with high pressure and high temperature water jets.

Temperature range extended

-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.

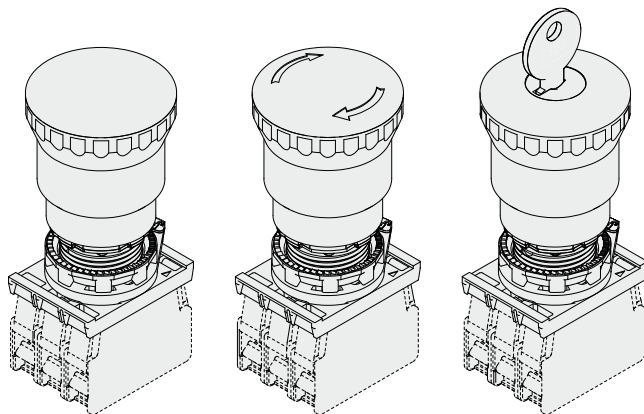
Emergency pushbuttons selection table









Body colour and marking	Actuator colour and marking	Push-pull	Turn to release	Push-pull with mechanical indicator	Turn to release with mechanical indicator	Release with key Key number PY333
yellow	red	E2 1PEPZ4531	E2 1PERZ4531	E2 1PEPF4531	E2 1PERF4531	E2 1PEBZ4531
yellow with 4 green indicating lines	red	E2 1PEPZ4731	E2 1PERZ4731	E2 1PEPF4731	E2 1PERF4731	E2 1PEBZ4731
yellow	black	E2 1PEPZ4511	E2 1PERZ4511	-	-	E2 1PEBZ4511

Warning! For safety application use only red emergency pushbutton, the black one can be used only for STOP function.


Complete units with emergency pushbuttons



Body colour and marking	Actuator colour and marking	Contacts			Push-pull	Turn to release	Release with key Key number PY333
		pos 2	pos 3	pos 1			
yellow	red	-	1NC 	-	E2 AC-DXBC1005 E2 1PEPZ4531 + E2 1BAC11 + E2 CP01G2V1	E2 AC-DXBC1006 E2 1PERZ4531 + E2 1BAC11 + E2 CP01G2V1	E2 AC-DXBC1007 E2 1PEBZ4531 + E2 1BAC11 + E2 CP01G2V1
yellow	red	-	1NC  SELF-MONITORED	-	E2 AC-DXBC1022 E2 1PEPZ4531 + E2 1BAC11 + E2 CP01S2V1	E2 AC-DXBC1023 E2 1PERZ4531 + E2 1BAC11 + E2 CP01S2V1	E2 AC-DXBC1024 E2 1PEBZ4531 + E2 1BAC11 + E2 CP01S2V1
yellow	red	1NC 	-	1NC 	E2 AC-DXBC1010 E2 1PEPZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1	E2 AC-DXBC1002 E2 1PERZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1	E2 AC-DXBC1011 E2 1PEBZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1
yellow	red	1NC 	1NC 	1NO	E2 AC-DXBC1012 E2 1PEPZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1 + E2 CP10G2V1	E2 AC-DXBC1000 E2 1PERZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1 + E2 CP10G2V1	E2 AC-DXBC1013 E2 1PEBZ4531 + E2 1BAC11 + E2 CP01G2V1 + E2 CP01G2V1 + E2 CP10G2V1

→ For the contact block characteristics see page 3/55.

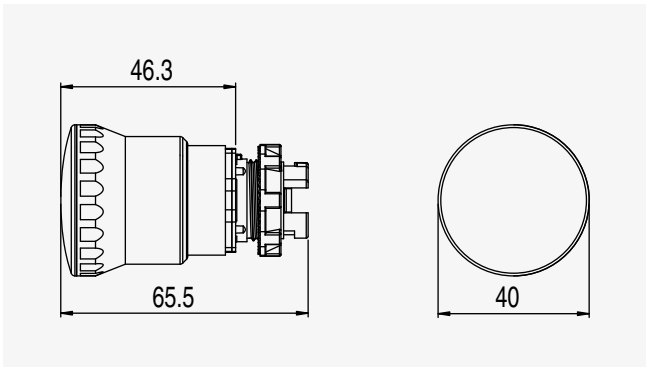
Locking keys

Article	Description
VE KE1A00-PY333	Locking key
 <p>Extra copy of the locking keys to be purchased if further key is needed. All keys have the same code. Other codes on request.</p>	

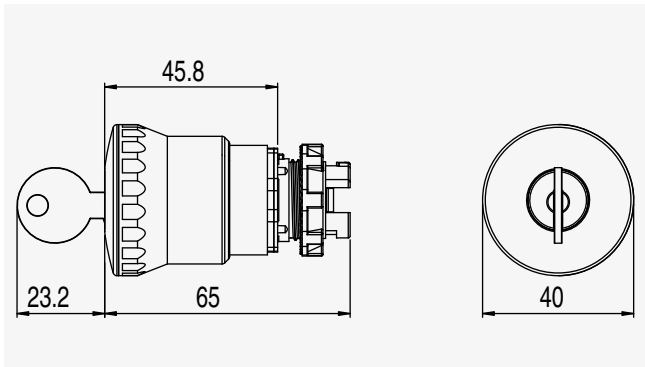
Items with code on the **green** background are available in stock

Dimensions

Emergency pushbutton



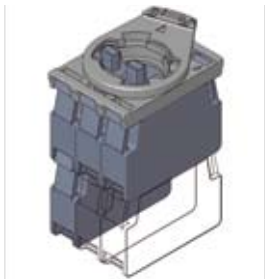
Emergency pushbutton with key



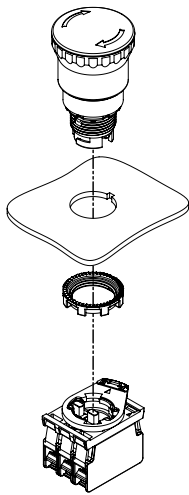
Contacts maximum number

Fixing adapter with 3 positions

Emergency pushbuttons E2 1PE●●●●●1



Maximum number:
contacts 4
levels 2



contact
block



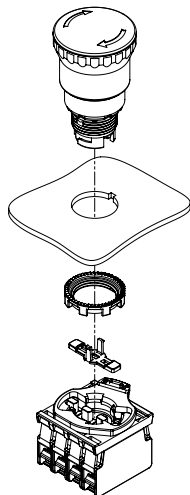
Contact
block
alternative
position

Fixing adapter with 4 positions

Emergency pushbuttons E2 1PE●●●●●4



Maximum number:
contacts 4
levels 1



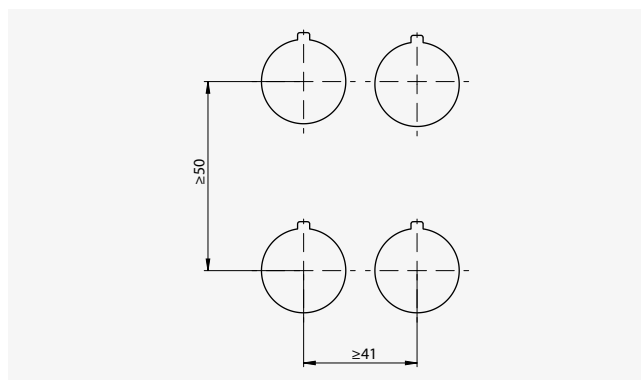
The actuator for an adapter with 4 positions must be
mounted after fixing the push-button.

Actuator for adapter with 4 positions 10 pcs packs



Article	Description
VE AS1218	Long closed actuator for fixing adapter with 4 positions. It must be installed after fixing the push-button to the wall. For E2 1PE pushbuttons.

Assembling minimum distances



Label with shaped hole

5 pcs packs

Suited for the devices E2 1PE
According to EN ISO 13850.
Adjustable in 90° steps.
Other languages on request.

It does not alter the device protection degrees IP67 and IP69K.

Article	Description
 VE TF32A5700	Label with shaped hole, Ø 60 mm yellow disc, no writing
 VE TF32D5700	Label with shaped hole, Ø 90 mm yellow disc, no writing
 VE TF32A5101	Label with shaped hole, yellow disc Ø 60 mm, writing: STOP EMERGENZA
 VE TF32D5101	Label with shaped hole, yellow disc Ø 90 mm, writing: STOP EMERGENZA
 VE TF32A5102	Label with shaped hole, yellow disc Ø 60 mm, writing: EMERGENCY STOP
 VE TF32D5102	Label with shaped hole, yellow disc Ø 90 mm, writing: EMERGENCY STOP
 VE TF32A5109	Label with shaped hole, yellow disc Ø 60 mm, writing: STOP STOP STOP STOP
 VE TF32D5109	Label with shaped hole, yellow disc Ø 90 mm, writing: STOP STOP STOP STOP
 VE TF32A5120	Label with shaped hole, yellow disc Ø 60 mm, writing: STOP EMERGENZA ARRET D'URGENCE NOT AUS EMERGENCY STOP
 VE TF32D5120	Label with shaped hole, yellow disc Ø 90 mm, writing: STOP EMERGENZA ARRET D'URGENCE NOT AUS EMERGENCY STOP
 VE TF32G5700	Label with shaped hole, rectangular 30x60 mm, no writing
 VE TF32G5103	Label with shaped hole, rectangular 30x60 mm, writing STOP
 VE TF32G5110	Label with shaped hole, rectangular 30x60 mm, writing STOP

Accessories

→ [More ACCESSORIES at page 3/95](#)

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