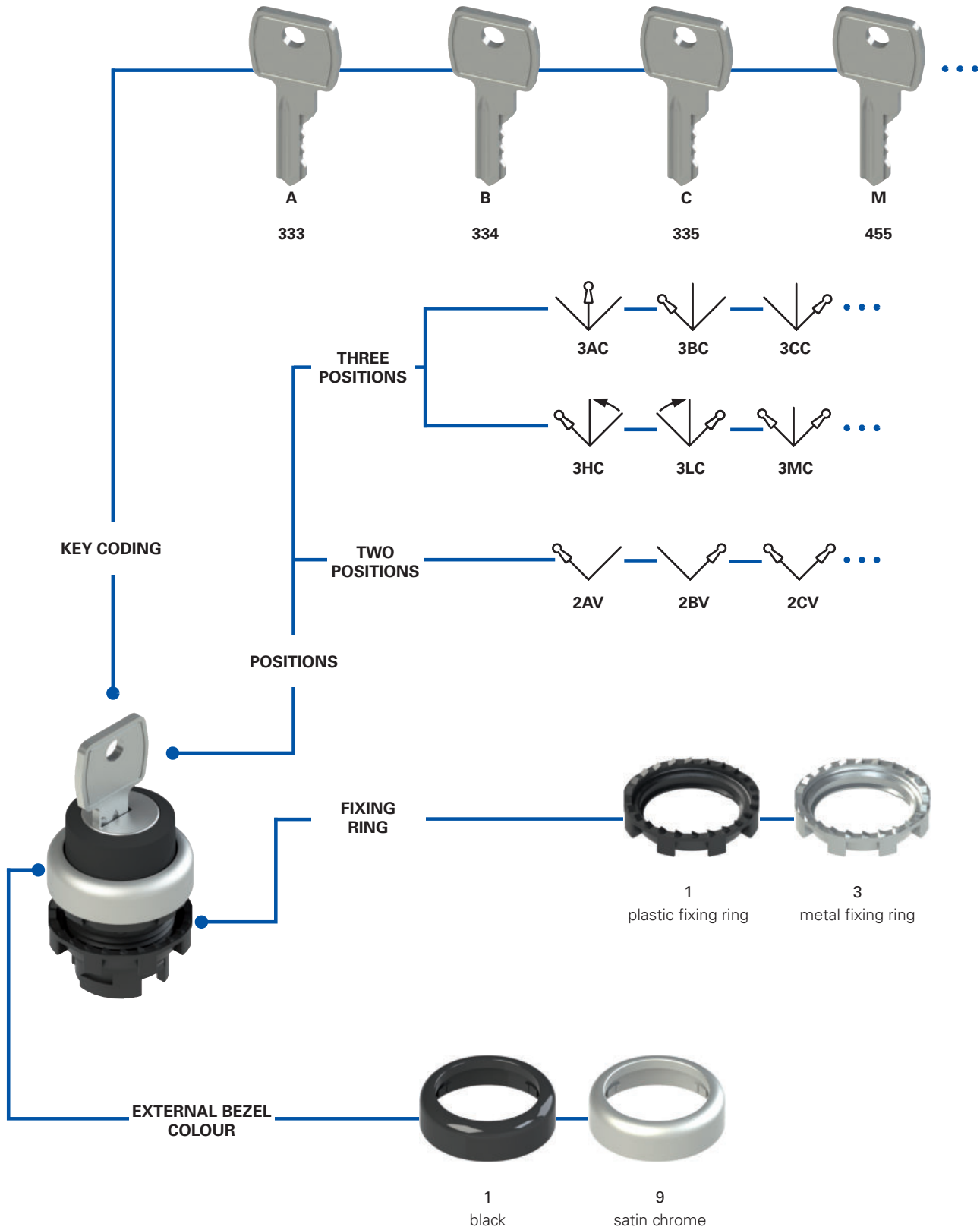


Selection diagram
























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




article options

E2 1SC2ACA11AA-T6




| Fixing ring and shaped ring | |
|-----------------------------|-------------------------------------|
| 1 | plastic fixing ring (standard) |
| 2 | plastic fixing ring and shaped ring |
| 3 | metal fixing ring |
| 4 | metal fixing ring and shaped ring |

| Ambient temperature | |
|---------------------|----------------------------|
| | -25°C ... +80°C (standard) |
| T6 | -40°C ... +80°C |

| Positions and key removal | | | | | |
|---------------------------|---|------------|---|------------|---|
| 2AV |  | 3AC |  | 3HC |  |
| 2BV |  | 3BC |  | 3LC |  |
| 2CV |  | 3CC |  | 3MC |  |
| 2DV |  | 3DC |  | 3NC |  |
| 2AC |  | 3EC |  | 3PC |  |
| 2BC |  | 3FC |  | 3QC |  |
| 2DC |  | 3GC |  | 3RC |  |

Legend:  Maintained  Spring-return  Key extraction position

| Cams and actuators | |
|--------------------|--|
| A | cam for 2-position selector switch for 3-slot base |
| E | cam for 3-position selector switch for 3-slot base |
| Q | cam for 2-position selector switch for 4-slot base |
| R | cam for 3-position selector switch for 4-slot base |

| Marking type | |
|--------------|--|
| A | no inscription (standard) |
| C |  for selector switches only, positions 2AC, 2BC, 2DC |
| D |  for three-position selector switches only |
| E |  for selector switches only, positions 2AV, 2BV, 2CV, 2DV |

Other combinations on request.

| Key coding | |
|------------|---------------------------|
| A | Key coding 333 (standard) |
| B | Key coding 334 |
| C | Key coding 335 |
| ... | ... |
| M | Key coding 455 |

Other key codes on request.

| Bezel colour | |
|--------------|-------------------------|
| 1 | black (standard) |
| 9 | satin chrome (standard) |

| Selector colour | |
|-----------------|-------|
| 1 | black |



Main features

- Protection degrees IP67 and IP69K
- Maintained or spring-return version

Quality marks:



IMQ approval: CA02.04805
 UL approval: E131787
 EAC approval: RU C-IT.YT03.B.00035/19

Technical data

General data

| | |
|---------------------------------------|--|
| Protection degree: | IP67 acc. to EN 60529 IP69K acc. to ISO 20653 |
| Ambient temperature: | -25°C ... +80°C (standard) -40°C ... +80°C (T6 option) |
| Safety parameter B_{10D} : | 600,000 |
| Mechanical endurance: | 300,000 operating cycles |
| Max. actuation frequency: | 3600 operating cycles/hour |
| Actuating force at limit of travel: | 0.07 Nm (without contacts) |
| Maximum travel: | 60° (2 stable positions) 40° (2 momentary positions) ±60° (3 stable positions) ±40° (3 momentary positions) |
| Tightening torque of the fixing ring: | 2 ... 2.5 Nm |
| Utilization requirements: | see page 169 |

In compliance with standards:

IEC 60947-1, IEC 60947-5-1, IEC 60204-1, EN 60947-1, EN 60947-5-1, EN 60204-1, EN IEC 63000, UL 508, CSA C22.2 No. 14.

⚠ Installation for safety applications:

Use only contact blocks marked with the symbol ⊕. The safety circuit must always be connected to **NC contacts** (normally closed contacts: .1-2).

Compliance with the requirements of:

Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1.

Features approved by UL

For Use on a Flat Surface of a Type 1, 4X, 12 and 13
 Tightening torque 2.0 Nm

General data

Protection degrees IP67 and IP69K

IP69K
IP67

These devices are designed to be used under the toughest environmental conditions, and they pass the IP67 immersion test acc. to EN 60529. They can therefore be used in all environments where the maximum degree of protection is required for the housing. Due to

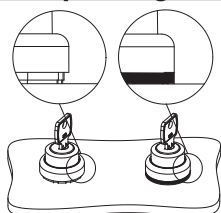
their special design, these devices are suitable for use in equipment subjected to cleaning with high pressure hot water jets. These devices meet the IP69K test requirements according to ISO 20653 (water jets with 100 bar and 80°C).

Metal fixing ring



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.

Shaped ring

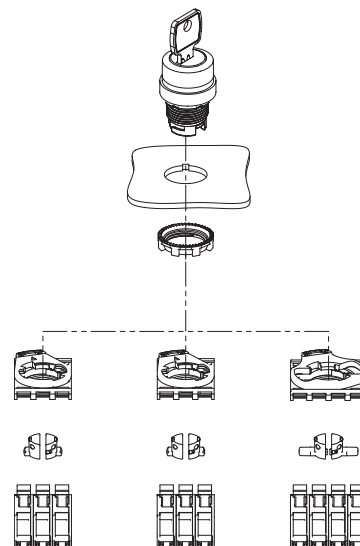


The shaped ring can be used when no label holder or other devices are applied; it prevents dirt and other residues from settling between the selector switch and the panel or housing. This turns out to be particularly useful in the sectors where high standards of cleanness and hygiene are required.

Actuators for selector switches








Three types of actuators are available, which activate the cursors of the contacts combined with the selector: a white actuator allowing the commutation of a single contact block, and a black or grey actuator allowing the simultaneous commutation of two contact blocks next to each other.

The white, black (3-slot base) and grey (4-slot base) actuators can be removed and replaced at any moment. This allows to configure at will the switching type executed by the selector on the contacts.

















Selection table for key selector switches






| Actuator colour and engraving | Two positions | with key | |
|-------------------------------|---|----------------|--------------------|
| | | black bezel | Satin chrome bezel |
| ● black |  | E2 1SC2AVA11AA | E2 1SC2AVA19AA |
| |  | E2 1SC2BVA11AA | E2 1SC2BVA19AA |
| |  | E2 1SC2CVA11AA | E2 1SC2CVA19AA |
| |  | E2 1SC2DVA11AA | E2 1SC2DVA19AA |
| |  | E2 1SC2ACA11AA | E2 1SC2ACA19AA |
| |  | E2 1SC2BCA11AA | E2 1SC2BCA19AA |
| |  | E2 1SC2DCA11AA | E2 1SC2DCA19AA |

The standard colour of the selectors in the above-mentioned codes is **BLACK**. Other colours on request.
 Key selectors switches can be customized with symbols and inscriptions on request.
 All keys of the selector switches have the 333 key coding. Other codes on request.

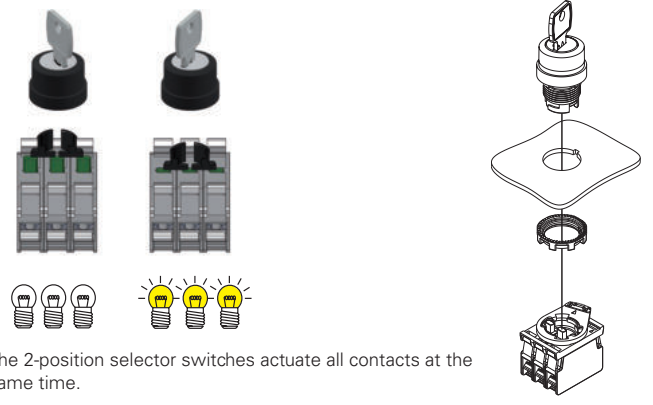


| Actuator colour and engraving | Three positions | with key | |
|---|---|----------------|--------------------|
| | | black bezel | Satin chrome bezel |
| ● black |  | E2 1SC3ACE11AA | E2 1SC3ACE19AA |
| |  | E2 1SC3BCE11AA | E2 1SC3BCE19AA |
| |  | E2 1SC3CCE11AA | E2 1SC3CCE19AA |
| |  | E2 1SC3DCE11AA | E2 1SC3DCE19AA |
| |  | E2 1SC3ECE11AA | E2 1SC3ECE19AA |
| |  | E2 1SC3FCE11AA | E2 1SC3FCE19AA |
| |  | E2 1SC3GCE11AA | E2 1SC3GCE19AA |
| |  | E2 1SC3HCE11AA | E2 1SC3HCE19AA |
| |  | E2 1SC3LCE11AA | E2 1SC3LCE19AA |
| |  | E2 1SC3MCE11AA | E2 1SC3MCE19AA |
| |  | E2 1SC3NCE11AA | E2 1SC3NCE19AA |
| |  | E2 1SC3PCE11AA | E2 1SC3PCE19AA |
| |  | E2 1SC3QCE11AA | E2 1SC3QCE19AA |
|  | E2 1SC3RCE11AA | E2 1SC3RCE19AA | |

The standard colour of the selectors in the above-mentioned codes is **BLACK**. Other colours on request.
 Key selectors switches can be customized with symbols and inscriptions on request.
 All keys of the selector switches have the 333 key coding. Other codes on request.

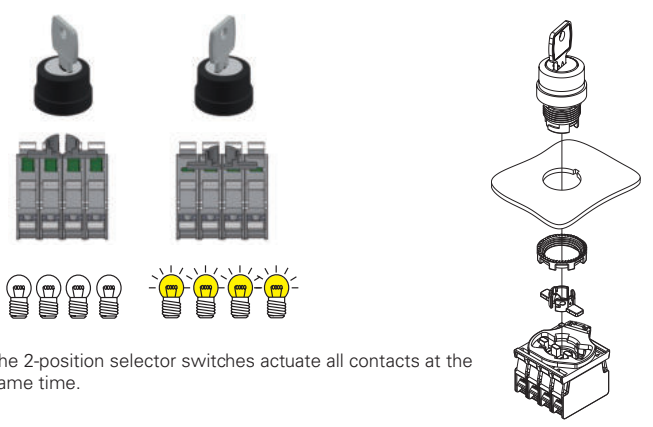
Legend:  Maintained  Spring-return  Key extraction position

3-slot mounting adapter



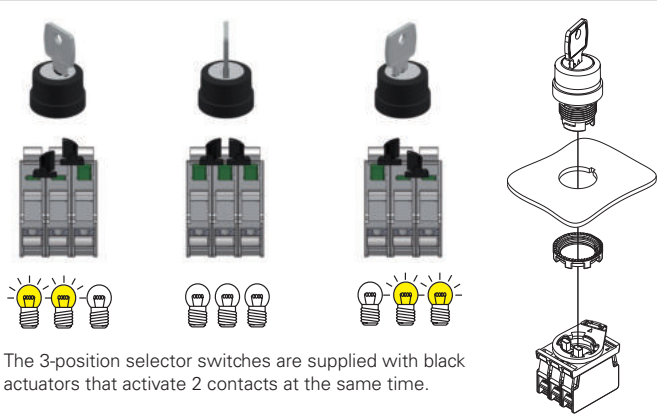
The 2-position selector switches actuate all contacts at the same time.

4-slot mounting adapter



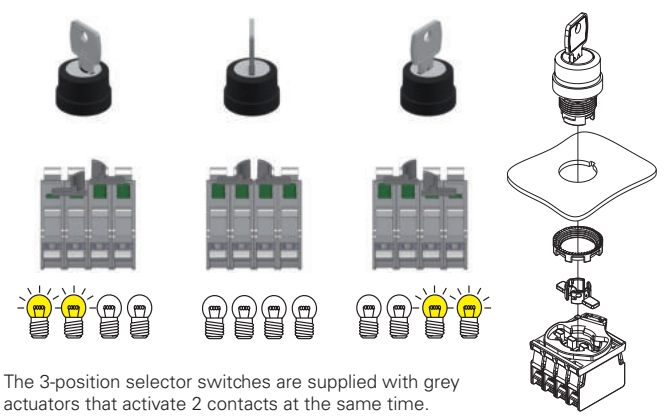
The 2-position selector switches actuate all contacts at the same time.

3-slot mounting adapter



The 3-position selector switches are supplied with black actuators that activate 2 contacts at the same time.

4-slot mounting adapter



The 3-position selector switches are supplied with grey actuators that activate 2 contacts at the same time.

Complete units with two- or three-position key selectors



| Actuator colour and engraving | Positions | Contacts | | | 2 positions |
|-------------------------------|-----------|----------|--------|--------|--|
| | | pos. 2 | pos. 3 | pos. 1 | black bezel |
| ● black | | - | 1NO | - | E2 AC-DXBC1601 E2 1SC2AVA11AA + E2 1BAC11 + E2 CP10G2V1 |
| ● black | | - | 1NO | - | E2 AC-DXBC1605 E2 1SC2CVA11AA + E2 1BAC11 + E2 CP10G2V1 |
| ● black | | - | 1NO | - | E2 AC-DXBC1606 E2 1SC2DVA11AA + E2 1BAC11 + E2 CP10G2V1 |

Other combinations on request.
Key with key coding 333.

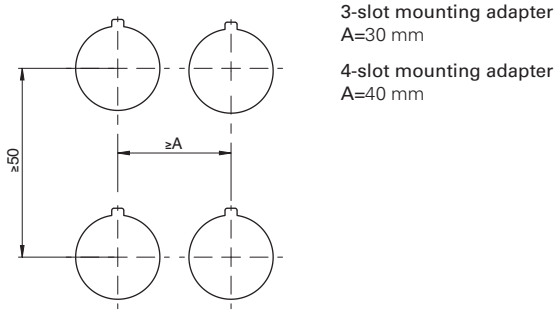
Legend: Maintained Spring-return Key extraction position

→ [For data regarding contact blocks, please see the respective chapters.](#)

| Actuator colour and engraving | Positions | Contacts | | | 3 positions |
|-------------------------------|-----------|----------|--------|--------|--|
| | | pos. 2 | pos. 3 | pos. 1 | black bezel |
| ● black | | 1NO | - | 1NO | E2 AC-DXBC1607 E2 1SC3DCE11AA + E2 1BAC11 + E2 CP10G2V1 + E2 CP10G2V1 |

Other combinations on request.
Key with key coding 333.

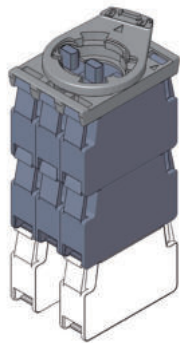
Minimum distances for installation All values in the drawings are in mm



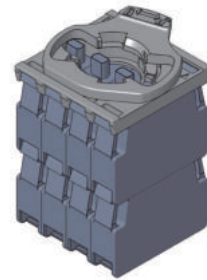
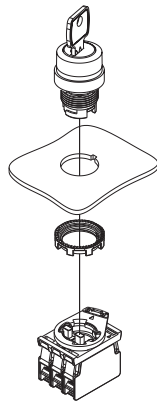
Maximum number of contact blocks

3-slot mounting adapter
E2 •SC•••••••• key selector switch

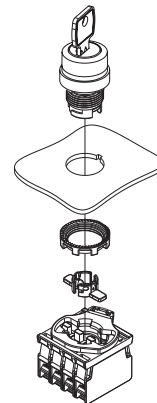
4-slot mounting adapter
E2 •SC•••••••• key selector switch



maximum number:
6 contact blocks
3 levels



maximum number:
8 contact blocks
2 levels

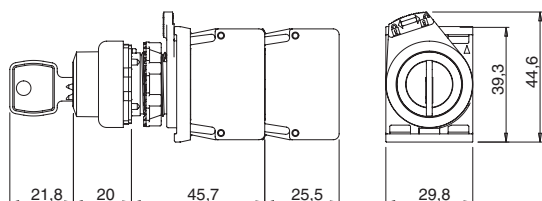


The mounting of the actuators for 4-slot base must be carried out after fixing the selector.

Dimensional drawings


All values in the drawings are in mm

Key selector switch






→ The 2D and 3D files are available at www.pizzato.com

Locking keys

| Article | Description |
|--|--|
| VE KE1A00-PY333 | Locking key |
|  | Order only if further keys besides the supplied one are needed. Key with key coding 333. Other codes on request. |

Actuators

Packs of 10 pcs.

| Article | Description |
|---|--|
|  VE AS1212 | Black closed actuator for 3-slot base. Actuates 2 contact blocks at the same time. |
|  VE AS1213 | White open actuator for 3-slot base. Actuates 1 contact block. |
|  VE AS1216 | Grey closed actuator for 4-slot base. Actuates 2 contact blocks at the same time. |

Note: 2 actuators needed for each selector.

Shaped ring

Packs of 50 pcs.

| Article | Description |
|--|--|
|  VE GP12H1A | Shaped ring for single device |
| | Not applicable in presence of label holders, adapters from Ø 22 to Ø 30 mm, guards or protection caps. |

Fixing ring

Packs of 20 pcs.

| Article | Description |
|---|-------------------|
|  VE GF720A | Metal fixing ring |

Accessories

→ More ACCESSORIES on page 161

