Safe and Optically Appealing Emergency-stop Buttons

The user can choose from a wide range of TÜV certified emergency-stop buttons by Schlegel and DUX for panel cut-outs of different shapes and dimensions (16mm, 22mm, 30mm…) which can be combined with both, the standard and ASi contact units. The actuators are well known for their modern and attractive design combining mechanical robustness and outstanding functionality, featuring e.g. a clearly visible switching position indicator, a twist release (in either direction) or pull release and tightness from IP65 to IP69K, depending on the model.

Safety Contact Blocks for Emergency-stop Buttons

Even redundant, secure emergency-stop chains are ineffective unless the contact block is accurately connected with the emergency-stop button. The safety contact blocks by Schlegel Elektrokontakt are the response to this danger that may occur e.g. as a result of a negligent assembly or a mechanical damage. In such a situation they ensure that the emergency function is activated and the installation is switched off immediately. It can only be restarted after successful trouble-shooting.

The contact blocks are available with screw connections or Faston terminals and do have positive opening contacts acc.to IEC60947-5-1. They can be supplied with one or two channels and also, when combined with the appropriate E-stop button, in a foolproof version acc. to EN60947-5-5 and EN13850. The high-quality contact elements allow reliable switching even of low currents (5mA at 24V or less). They are available as conventional contact blocks as well as for AS-Interface application (Safety@Work).

Safety@Work

Safety@Work is an extension of the existing ASi system by safety-related components, such as e.g. emergency stop switches. The great advantage is that standard and safety-related ASi slaves can be used in one and the same system. That means an existing ASi network consisting of ASi master, power supply and slaves, is simply extended by a safety monitor and safe ASi slaves. Safety@Work is based on the standard ASi protocol reaching the safety integrity level 3. As base serves the transmission of dynamic code sequences which are stored in each safe ASi slave.
### Emergency Stops

#### Emergency-stop Head
- Other mushroom colours on request
- Series: OKTRON
- Panel cut-out: Ø 16.2 mm
- Foolproof: No
- Switching position indicator: No
- Anti-lock collar: No
- Release: twist right or left

**Suitable Contact Blocks**
- AZ, BZ, PTF

**Description**
- Mushroom head: red
- Front bezel: yellow

**Type**
- OKVGB

#### Emergency-stop Head with illuminating and labelling option
- Including: blank nameplate (inscription on request)
- Series: OKTRON
- Panel cut-out: Ø 16.2 mm
- Foolproof: No
- Switching position indicator: No
- Anti-lock collar: No
- Release: twist right or left

**Suitable Contact Blocks**
- AZ, BZ

**Description**
- Mushroom head: red
- Front bezel: yellow

**Type**
- OKVLBGB

#### Nameplate with special imprint
- BSRJB
- As per customer’s specification

#### Nameplate with standard imprint
- BSRJ...
- Please specify index number (see nameplates on pages 404)

#### Blank Nameplate
- BSRJU

### Emergency-stop Head
- Series: OKTRON
- Panel cut-out: Ø 16.2 mm
- Foolproof: Yes
- Switching position indicator: No
- Anti-lock collar: No
- Release: twist right or left
- Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**Suitable Contact Blocks**
- AZ, BZ, PTF

**Description**
- Mushroom head: red
- Front bezel: yellow

**Type**
- OKUVGB
### Emergency stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image 1" /></td>
<td><img src="dimensions1.png" alt="Dimensions 1" /></td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;with snap-action mechanism&lt;br&gt;Series: OKTRON-R&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td>RKUV28</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image 2" /></td>
<td><img src="dimensions2.png" alt="Dimensions 2" /></td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;Series: OKTRON-R&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: No&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td>RKUV32</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image 3" /></td>
<td><img src="dimensions3.png" alt="Dimensions 3" /></td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;Series: OKTRON-R&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: No&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td>RKUV40</td>
</tr>
</tbody>
</table>
### Emergency Stops

**Accessories for Actuators**

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Emergency-stop Head](image) | Φ14 | **Emergency-stop Head**  
Series: OKTRON-R  
Panel cut-out: Ø 16.2 mm  
foolproof: Yes  
switching position indicator: No  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850 | OKTRON-R |
| ![Emergency-stop Head](image) | Φ14 | **Emergency-stop Head**  
Series: OKTRON-R  
Panel cut-out: Ø 16.2 mm  
foolproof: No  
switching position indicator: No  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850 | OKTRON-R |
| ![Emergency-stop Head](image) | Φ14 | **Emergency-stop Head**  
Series: OKTRON-R  
Panel cut-out: Ø 16.2 mm  
foolproof: No  
switching position indicator: No  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850 | OKTRON-R |

**suitable contact blocks**  
AZ BZ PT PTF  
mushroom head: red  
front bezel: yellow  

**RKUVGB**

**RKVGB**

**RKVLBGB**

**Nameplate with special imprint**  
BSRJB  
as per customer’s specification

**Nameplate with standard imprint**  
BSRJ...  
Please specify index number (see nameplates on pages 404)

**Blank Nameplate**  
BSRJU
### Emergency Stops

#### Emergency-stop Head

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| [Image](#) | Ø31.6 | **Emergency-stop Head**
| [Image](#) | Ø31.6 | Series: QUARTRON
| [Image](#) | Ø31.6 | Panel cut-out: Ø 16.2 mm
| [Image](#) | Ø31.6 | foolproof: Yes
| [Image](#) | Ø31.6 | switching position indicator: Yes
| [Image](#) | Ø31.6 | anti-lock collar: No
| [Image](#) | Ø31.6 | release: twist right or left
| [Image](#) | Ø31.6 | Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850
| [Image](#) | Ø31.6 | suitable contact blocks: RXUV
| [Image](#) | Ø31.6 | mushroom head: red
| [Image](#) | Ø31.6 | front bezel: yellow

#### Illuminated Emergency-stop Head

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| [Image](#) | Ø31.6 | **Emergency-stop Head**
| [Image](#) | Ø31.6 | Series: QUARTRON
| [Image](#) | Ø31.6 | Panel cut-out: Ø 16.2 mm
| [Image](#) | Ø31.6 | foolproof: Yes
| [Image](#) | Ø31.6 | switching position indicator: Yes
| [Image](#) | Ø31.6 | anti-lock collar: Yes
| [Image](#) | Ø31.6 | release: twist right or left
| [Image](#) | Ø31.6 | Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850
| [Image](#) | Ø31.6 | suitable contact blocks: RXBLUV
| [Image](#) | Ø31.6 | mushroom head: red
| [Image](#) | Ø31.6 | front bezel: yellow
### Emergency-stops Head

**Series**: QUARTRON  
**Panel cut-out**: Ø 16.2 mm  
**foolproof**: Yes  
**switching position indicator**: Yes  
**anti-lock collar**: Yes  
**release**: twist right or left  
**Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850  

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Illustration" /></td>
<td>Ø43.5</td>
<td>Emergency-stops Head</td>
<td>RXBUV43</td>
</tr>
</tbody>
</table>

**suitable contact blocks**: A31 A1 A2 PTP PIF  
**mushroom head**: red  
**front bezel**: yellow  

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Emergency-stop Head for hygienic applications

Cannot be used with threaded adapter R16x1!

Conforms to BG (= Employer’s Liability Insurance Association) in accordance with DIN EN 1672-2 and GS-FW 01/01

Series: QUARTRON

Panel cut-out: Ø 16.2 mm

foolproof: Yes

switching position indicator: No

anti-lock collar: No

release: twist right or left

Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

suitable contact blocks

| ASI | A2 | PTF |

mushroom head: red

front bezel: yellow

Yellow Nameplate

Self-adhesive PVC foil

Printing on request

Outer dia.: 60 mm

For mounting dia.: 16 mm

Series: QUARTRON

Panel cut-out: Ø 16.2 mm

Colour: yellow

Yellow Nameplate with quadrilingual imprint

Self-adhesive PVC foil

Outer dia.: 60 mm

For mounting dia.: 16 mm

Series: QUARTRON

Panel cut-out: Ø 16.2 mm

Colour: yellow

Emergency-stop Head

Series: RONTRON-R-JUWEL

Panel cut-out: Ø 22.3 mm

foolproof: Yes

switching position indicator: Yes

anti-lock collar: No

release: twist right or left

Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

Suitable contact blocks

| ASI | A2 | PTF |

mushroom head: red

front bezel: yellow

Yellow Nameplate

Self-adhesive PVC foil

Printing on request

Outer dia.: 60 mm

For mounting dia.: 16 mm

Series: QUARTRON

Panel cut-out: Ø 16.2 mm

Colour: yellow

NAS_16

NAS_16_548
## General Data

- **Type Reference:** FRVKD(O)(O)(O)(O)(I)(P)(_AU)
- **Description:** Emergency Stop, active/inactive (without diagnostic device)
- **Approvals:** CE, TÜV_Süd
- **Nature of contact:** 1NC/1NO/1NC+1NO
- **Degree of protection:** IP65 / IP67
- **Connection type:** Faston terminals 2.8x0.8 mm / PCB-mount terminals
- **Contact material:** AgNi / AgNi, gold-plated 5μm
- **Max. storage temperature:** -40°C ... 80°C
- **Mechanical life:** 50,000
- **Electrical life (rated load):** 50,000 at rated load
- **Contact resistance NO:** < 50 mOhm (new state)
- **Contact resistance NC:** < 50 mOhm (new state)
- **Positive opening contact:** acc. to EN60947-5-1, appendix. K

### Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilisation category</td>
<td>alternate current / direct current</td>
</tr>
<tr>
<td>Rated insulation voltage Ui</td>
<td>AC15, 250 V</td>
</tr>
<tr>
<td>Rated operating voltage Ue</td>
<td>DC13, 250 V</td>
</tr>
<tr>
<td>Rated operating current Ie</td>
<td>5 A, 2 A</td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>10 Ie, 1.1 Ie</td>
</tr>
<tr>
<td>Continuous thermal current</td>
<td>5 A, 2.5 A</td>
</tr>
</tbody>
</table>

### Technical Data - Lamp

- **Lamp socket:** none, with integrated 3 mm LED
- **Definition:** X1...anode, X2...cathode

### Additional Data

- **Mounting aperture:** 22.3 mm
- **Tightening torque (mounting nut):** 1.3 ... 1.9 Nm
- **Release:** twist release, left or right
- **Mounting position:** any
- **Standards:** ISO 13850:2015(E), EN ISO 13850:2015(D), DIN EN ISO 13850:2016-05
- **B10d:** 250,000

### Note

- with switching position indicator
- a diagnostic unit is not included

### Electrical Features - 5μm gold-plating (type addition ...AU)

- **Switching voltage:** 20mV ... 35V AC/DC
- **Switching current:** 1mA ... 250mA

### Technical Data of LED:

- **Type:** Opto Devices
- **Typical data at IF=20mA:**
  - min. 10000 mcd, typical 13000 mcd
  - typical 15°
- **Dominant wavelength:** 618...624 nm, typical 621 nm
- **Rated voltage:** 24 V DC ± 10%
- **Rated current:** 17.8 mA (15.6...19.95mA)
- **Typical luminous intensity at IF=1.8mA:**
  - min. 9000 mcd, typical 11700 mcd
  - max. 70V
  - approx. 80,000...100,000h

### Safety Instructions:

- The emergency stop must only be used when lighting conditions ensure clear and distinct visibility of the red illuminated (active) mushroom.
- Before using the emergency stop, a systematic safety review of the overall system is required.
- Depending on the designer’s risk assessment, the illumination of the emergency stop must be monitored by means of a “diagnostic unit”, and in case of error one has to react in accordance with the risk evaluation.

## Electrical Features - 5μm gold-plating (type addition ...AU)

- **Switching voltage:** 1.6V ... 3.5V AC/DC
- **Switching current:** 1mA ... 250mA

### For the version with Faston terminals, use partially or fully insulated Faston clamps.

### Illuminated version, status indication active/inactive:

- Mushroom “grey”: “inactive”, no emergency stop
- Mushroom “red”: “active” emergency stop

### Technical Data of LED:

- **Type:** Opto Devices
- **Typical data at IF=20mA:**
  - min. 10000 mcd, typical 13000 mcd
  - typical 15°
- **Dominant wavelength:** 618...624 nm, typical 621 nm
- **Rated voltage:** 24 V DC ± 10%
- **Rated current:** 17.8 mA (15.6...19.95mA)
- **Typical luminous intensity at IF=1.8mA:**
  - min. 9000 mcd, typical 11700 mcd
  - max. 70V
  - approx. 80,000...100,000h

### Standard compliant applications:

- pluggable stations
- wireless operator stations
- pluggable system components (fixed system components which are only temporarily in operation)
### General Data

<table>
<thead>
<tr>
<th>Type Reference:</th>
<th>FRVK<a href="L">P</a>[O][OO][OOO][O][OO][O][O][Z][LZ]<a href="_AU">P</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>Emergency Stop, foolproof</td>
</tr>
<tr>
<td>Approvals:</td>
<td>CCC, CE, TÜV, Süd, positive opening contact, UR</td>
</tr>
<tr>
<td>Nature of contact:</td>
<td>1NC / 2NC / 3 NC / 1 NC+1NO / 2NC+1NO / 1NC+2NO</td>
</tr>
<tr>
<td>Degree of protection:</td>
<td>IP65 / IP67</td>
</tr>
<tr>
<td>Connection type:</td>
<td>Faston terminals 2.8x0.8 mm / PCB-mount terminals</td>
</tr>
<tr>
<td>Contact material:</td>
<td>AgNi / AgNi, gold-plated 5μm</td>
</tr>
<tr>
<td>Max. storage temperature:</td>
<td>-40°C ... 80°C</td>
</tr>
<tr>
<td>Max. operating temperature:</td>
<td>-25°C ... 70°C</td>
</tr>
<tr>
<td>Mechanical life:</td>
<td>50,000</td>
</tr>
<tr>
<td>Electrical life (rated load):</td>
<td>50,000 at rated load</td>
</tr>
<tr>
<td>Contact resistance NO:</td>
<td>&lt; 50 mOhm (new state)</td>
</tr>
<tr>
<td>Contact resistance NC:</td>
<td>&lt; 50 mOhm (new state)</td>
</tr>
<tr>
<td>Bouncing time NO:</td>
<td>&lt; 10 ms</td>
</tr>
<tr>
<td>Bouncing time NC:</td>
<td>&lt; 10 ms</td>
</tr>
<tr>
<td>Positive opening contact:</td>
<td>acc. to EN60947-5-1, appendix. K</td>
</tr>
</tbody>
</table>

### Electrical Data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

<table>
<thead>
<tr>
<th>Utilisation category:</th>
<th>alternate current</th>
<th>direct current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated insulation voltage Ui:</td>
<td>AC15 B300</td>
<td>DC13 Q300</td>
</tr>
<tr>
<td>Rated operating voltage Ue:</td>
<td>240V / 120V</td>
<td>250V / 125V / 60V / 24V</td>
</tr>
<tr>
<td>Rated operating current Ie:</td>
<td>1.5A / 3A</td>
<td>0.27 A / 0.55 A / 1 A / 2 A</td>
</tr>
<tr>
<td>Breaking capacity:</td>
<td>10le</td>
<td>1,1le</td>
</tr>
<tr>
<td>Continuous thermal current:</td>
<td>5A</td>
<td></td>
</tr>
</tbody>
</table>

### Technical Data - Lamp

| Lamp socket: | none, with integrated 3 mm LED |
| Max. lamp voltage: | 30 V AC/DC |
| Max. lamp output: | 4 mA at 24 V DC |
| Definition: | X1...anode, X2...cathode |

### Additional Data

| Mounting aperture: | 22.3mm |
| Tightening torque (mounting nut): | 1.3 ... 1.9 Nm |
| Release: | twist release, left or right |
| Mounting position: | any |
| Standards: | EN 60947-5-1, EN 60947-5-5, EN ISO 13850 |
| Ld: | 250,000 |
| B10d: | 20% (NC) |
| Pollution degree: | 3 |

### Note

with switching position indicator

- For the version with Faston terminals use partially or fully insulated Faston clamps.
- Illuminated version (24V-LED): overvoltage category II (2.5kV), pollution degree 2
- Version with 3 contacts: overvoltage category II (2.5 kV), pollution degree 2

**FRVKP...** emergency stop for hygienic areas

Approval: CE, DGUV-Test

Mechanical life: 20,000 (20°C)

B10d/Ld: >6050 (25°C) >6050 (+70°C)

**FRVK...[Z]** emergency stop for base-plate mounting

Approval: CE

**FRVK...[LZ]** emergency stop for base-plate mounting with height compensation to use the Shortron series

Spacer sleeves ensure the correct distance between PCB and mounting plate. Screws must be secured against loosening.
### General Data

- **Type Reference:** FRVKAL(O)(OO)(OOO)(OI)(OOI)(OII)(P)(_AU)
- **Description:** Emergency Stop, aluminium version, foolproof
- **Approvals:** CE, TÜV_Süd, positive opening contact, UR
- **Nature of contact:** 1NC / 2NC / 3 NC / 1 NC+1NO / 2NC+1NO / 1NC+2NO
- **Degree of protection:** IP65 / IP67
- **Connection type:** Faston terminals 2.8x0.8 mm / PCB-mount terminals
- **Material:** AgNi / AgNi, gold-plated 5μm
- **Max. storage temperature:** -40°C ... 80°C
- **Max. operating temperature:** -25°C ... 70°C
- **Mechanical life:** 50,000
- **Electrical life (rated load):** 50,000 at rated load
- **Contact resistance NO:** < 50 mOhm (new state)
- **Contact resistance NC:** < 50 mOhm (new state)
- **Bouncing time NO:** < 10 ms
- **Bouncing time NC:** < 10 ms
- **Positive opening contact:** acc. to EN60947-5-1, appendix. K

### Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

<table>
<thead>
<tr>
<th>Item</th>
<th>AC15 B300</th>
<th>DC13 Q300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilisation category</td>
<td>direct current</td>
<td>alternate current</td>
</tr>
<tr>
<td>Rated insulation voltage U:</td>
<td>250 V</td>
<td>250 V</td>
</tr>
<tr>
<td>Rated operating voltage Ue:</td>
<td>240V / 120V</td>
<td>250 V / 125V / 60V / 24V</td>
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<td>Rated operating current Ie:</td>
<td>1.5A / 3A</td>
<td>0.27 A / 0.55 A / 1 A / 2 A</td>
</tr>
<tr>
<td>Breaking capacity:</td>
<td>10Ie</td>
<td>1,1Ie</td>
</tr>
<tr>
<td>Continuous thermal current:</td>
<td>5A</td>
<td></td>
</tr>
</tbody>
</table>

### Additional Data

- **Mounting aperture:** 22.3mm
- **Tightening torque (mounting nut):** 1.3 ... 1.9 Nm
- **Release:** twist release, left or right
- **Mounting position:** any
- **Standards:** EN 60947-5-1, EN 60947-5-5, EN ISO 13850
- **Pollution degree:** 3

### Reliability Data

- **Ld:** 20% (NC)
- **B10d:** 250,000

### Note

- **with switching position indicator**

- **Electrical Features - 5μm gold-plating (type addition _AU)**
  - **Switching voltage:** 20mV ... 42V AC/DC
  - **Switching current:** 1mA ... 250mA

- **For the version with Faston terminals use partially or fully insulated Faston clamps.**
  - **Version with 3 contacts:** overvoltage category II (2.5 kV), pollution degree 2

### Data acc. to UL508

<table>
<thead>
<tr>
<th>Item</th>
<th>silver: B300, 24Vdc/3A</th>
<th>gold: 24Vdc/100mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratings</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Emergency Stops
Type addition for gold-plated version _AU_ [e.g. FRVKOO_AU]

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Emergency Stop" /></td>
<td>Ø 22.3 mm</td>
<td><strong>Emergency Stop</strong></td>
<td></td>
</tr>
<tr>
<td><img src="image2" alt="Emergency Stop" /></td>
<td>Ø 22.3 mm</td>
<td><strong>Emergency Stop</strong></td>
<td></td>
</tr>
<tr>
<td><img src="image3" alt="Illuminated Emergency Stop" /></td>
<td>Ø 22.3 mm</td>
<td><strong>Illuminated Emergency Stop</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Emergency Stop Series**

- **Panel cut-out**: Ø 22.3 mm
- **Connection type**: Faston terminals 2.8x0.8 mm
- **Contact equipment**: 2NC
- **Foolproof**: Yes
- **Switching position indicator**: Yes
- **Anti-lock collar**: No
- **Release**: Twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: Red
- **Front bezel**: Yellow

**Emergency Stop Series**

- **Panel cut-out**: Ø 22.3 mm
- **Connection type**: Faston terminals 2.8x0.8 mm
- **Contact equipment**: 2NC + 1NO
- **Foolproof**: Yes
- **Switching position indicator**: Yes
- **Anti-lock collar**: No
- **Release**: Twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: Red
- **Front bezel**: Yellow

**Illuminated Emergency Stop Series**

- **Panel cut-out**: Ø 22.3 mm
- **Connection type**: Faston terminals 2.8x0.8 mm
- **Contact equipment**: 2NC
- **Foolproof**: Yes
- **Switching position indicator**: Yes
- **Anti-lock collar**: No
- **Release**: Twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: Red
- **Front bezel**: Yellow
**Emergency Stops**

Type addition for gold-plated version _AU [e.g. _FRVKALOO_AU]

### Emergency Stop, made of aluminium for robust applications

**Series**: SHORTRON  
**Panel cut-out**: Ø 22.3 mm  
**Connection type**: Faston terminals 2.8x0.8 mm  
**Contact equipment**: 2NC  
**Foolproof**: Yes  
**Switching position indicator**: Yes  
**Anti-lock collar**: No  
**Release**: twist right or left  
**Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: red  
- **Front bezel**: yellow

---

### Emergency Stop made of aluminium for robust applications

**Series**: SHORTRON  
**Panel cut-out**: Ø 22.3 mm  
**Connection type**: Faston terminals 2.8x0.8 mm  
**Contact equipment**: 2NC + 1NO  
**Foolproof**: Yes  
**Switching position indicator**: Yes  
**Anti-lock collar**: No  
**Release**: twist right or left  
**Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: red  
- **Front bezel**: yellow

---

### Emergency Stop for hygienic applications

Hygiene-tested acc. to DIN EN 1672-2 / DIN EN ISO 14159 and GS-NV 3, GS-NV 6

**Series**: SHORTRON  
**Panel cut-out**: Ø 22.3 mm  
**Connection type**: Faston terminals 2.8x0.8 mm  
**Contact equipment**: 2NC  
**Foolproof**: Yes  
**Switching position indicator**: No  
**Anti-lock collar**: No  
**Release**: twist right or left  
**Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **Mushroom head**: red  
- **Front bezel**: yellow
Emergency Stops

Type addition for gold-plated version _AU [e.g. FRVKOO_AU]

### Emergency Stop for hygienic applications

- **Hygienic test acc. to DIN EN 1672-2 / DIN EN ISO 14159 and GS-NV 3, GS-NV 6**
- **Series** SHORTRON
- **Panel cut-out** Ø 22.3 mm
- **Connection type** Faston terminals 2.8x0.8 mm
- **Contact equipment** 2NC + 1NO
- **foolproof** Yes
- **switching position indicator** No
- **anti-lock collar** No
- **release** twist right or left
- **Standard** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **FRVKPOOI**

### Emergency Stop with pull and twist release

- **Series** SHORTRON
- **Panel cut-out** Ø 22.3 mm
- **Connection type** Faston terminals 2.8x0.8 mm
- **Contact equipment** 2NC
- **foolproof** Yes
- **switching position indicator** Yes
- **anti-lock collar** No
- **release** pull/twist
- **Standard** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **FRZVKOO**

### Emergency Stop

- **Series** SHORTRON
- **Panel cut-out** Ø 22.3 mm
- **Connection type** PCB-mount terminals
- **Contact equipment** 2NC
- **foolproof** Yes
- **switching position indicator** Yes
- **anti-lock collar** No
- **release** twist right or left
- **Standard** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

- **FRVKOOP**

---

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### Emergency Stops

Type addition for gold-plated version _AU [e.g. _FRVKALOO_AU]

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Emergency Stop" /></td>
<td>Ø 22.3 mm</td>
<td><strong>Emergency Stop</strong>&lt;br&gt;Series: SHORTRON&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;Connection type: PCB-mount terminals&lt;br&gt;Contact equipment: 2NC + 1NO&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;<img src="ul" alt="UL" /></td>
<td>FRVKOOIP</td>
</tr>
<tr>
<td><img src="image2" alt="Illuminated Emergency Stop" /></td>
<td>Ø 22.3 mm</td>
<td><strong>Illuminated Emergency Stop</strong>&lt;br&gt;Series: SHORTRON&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;Connection type: PCB-mount terminals&lt;br&gt;Contact equipment: 2NC&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;<img src="ul" alt="UL" /></td>
<td>FRVKLOOP</td>
</tr>
<tr>
<td><img src="image3" alt="Yellow Nameplate" /></td>
<td>Ø 22 mm</td>
<td><strong>Yellow Nameplate</strong>&lt;br&gt;self-adhesive PVC foil&lt;br&gt;printing on request&lt;br&gt;outer dia. 75 mm&lt;br&gt;for mounting dia. 22 mm&lt;br&gt;Series: SHORTRON&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;colour: yellow</td>
<td>NAS_22</td>
</tr>
<tr>
<td><img src="image4" alt="Yellow Nameplate with quadrilingual imprint" /></td>
<td>Ø 22 mm</td>
<td><strong>Yellow Nameplate with quadrilingual imprint</strong>&lt;br&gt;self-adhesive PVC foil&lt;br&gt;outer dia. 75 mm&lt;br&gt;for mounting dia. 22 mm&lt;br&gt;Series: SHORTRON&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;colour: yellow</td>
<td>NAS_22_548</td>
</tr>
</tbody>
</table>
## Emergency Stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Emergency Stop for 9.2 mm mounting depth](image1.png) | &middot; Ø28 &middot; 9.2 &middot; 26 &middot; 1.45 | **Emergency Stop**  
Series: Shortron for base-plate mounting  
Panel cut-out: 22.3 mm  
foolproof: Yes  
switching position indicator: Yes  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850  
| FRVK   |
| ![Emergency Stop for 16.2 mm mounting depth](image2.png) | &middot; Ø28 &middot; 16.2 &middot; 26 &middot; 1.45 | **Emergency Stop**  
Series: Shortron for base-plate mounting  
Panel cut-out: 22.3 mm  
foolproof: Yes  
switching position indicator: Yes  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850  
| FRVKZ |
| ![Illuminated Emergency Stop for 9.2 mm mounting depth](image3.png) | &middot; Ø28 &middot; 9.2 &middot; 26 &middot; 1.45 | **Illuminated Emergency Stop**  
Series: Shortron for base-plate mounting  
Panel cut-out: 22.3 mm  
foolproof: Yes  
switching position indicator: Yes  
anti-lock collar: No  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850  
| FRVKL |
# Emergency Stops

## Illuminated Emergency Stop

For 16.2 mm mounting depth

**Attention:** only suitable for illuminated contact units!

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Illustration](image1.png) | Ø28 x 26 x 1.45 | **Illuminated Emergency Stop** | **FRVKZL**

- **Series:** Shortron for base-plate mounting
- **Panel cut-out:** Ø 22.3 mm
- **Foolproof:** Yes
- **Switching position indicator:** Yes
- **Anti-lock collar:** No
- **Standard:** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

### Suitable contact blocks

- Mushroom head: red
- Front bezel: yellow

## Emergency Stop made of aluminium

For robust applications

For 9.2 mm mounting depth

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Illustration](image2.png) | Ø28 x 26 x 1.45 | **Emergency Stop made of aluminium** | **FRVKAL**

- **Series:** Shortron for base-plate mounting
- **Panel cut-out:** Ø 22.3 mm
- **Foolproof:** Yes
- **Switching position indicator:** Yes
- **Anti-lock collar:** No
- **Release:** twist right or left
- **Standard:** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

### Suitable contact blocks

- Mushroom head: red
- Front bezel: yellow

## Emergency Stop, aluminium

For robust applications

For 16.2 mm mounting depth

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Illustration](image3.png) | Ø28 x 26 x 1.45 | **Emergency Stop, aluminium** | **FRVKZAL**

- **Series:** Shortron for base-plate mounting
- **Panel cut-out:** Ø 22.3 mm
- **Foolproof:** Yes
- **Switching position indicator:** Yes
- **Anti-lock collar:** No
- **Release:** twist right or left
- **Standard:** EN 60947-5-1, EN 60947-5-5, EN ISO 13850

### Suitable contact blocks

- Mushroom head: red
- Front bezel: yellow

---

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Emergency Stops

Emergency Stop for hygienic applications for 9.2 mm mounting depth
Hygienic test acc. to DIN EN 1672/2 / DIN EN ISO 14159 and GS-NV 3, GS-NV 6
Series Shortron for base-plate mounting
Panel cut-out Ø 22.3 mm
foolproof Yes
switching position indicator No
anti-lock collar No
release twist right or left
Standard EN 60947-5-1, EN 60947-5-5, EN ISO 13850

suitable contact blocks P
mushroom head red
front bezel yellow

FRVKP

Emergency Stop for hygienic applications for 16.2 mm mounting depth
Hygienic test acc. to DIN EN 1672/2 / DIN EN ISO 14159 and GS-NV 3, GS-NV 6
Series Shortron for base-plate mounting
Panel cut-out Ø 22.3 mm
foolproof Yes
switching position indicator No
anti-lock collar No
release twist right or left
Standard EN 60947-5-1, EN 60947-5-5, EN ISO 13850

suitable contact blocks P
mushroom head red
front bezel yellow

FRVKZP

Yellow Nameplate
self-adhesive PVC foil
printing on request
outer dia. 75 mm
for mounting dia. 22 mm
Series SHORTRON
Panel cut-out Ø 22.3 mm
colour yellow

NAS_22

Yellow Nameplate with quadrilingual imprint
self-adhesive PVC foil
outer dia. 75 mm
for mounting dia. 22 mm
Series SHORTRON
Panel cut-out Ø 22.3 mm
colour yellow

NAS_22_548
## Emergency Stops

**Active Illuminated Safety Emergency Stop with position indication active/inactive**  
Delivery without diagnostic unit for LED monitoring  
LED: 24V DC/18mA  

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Emergency Stop Illustration](image) | Ø 22.3 mm | Series: SHORTRON  
Panel cut-out: Ø 22.3 mm  
Connection type: Faston terminals 2.8x0.8 mm  
Contact equipment: 2NC  
foolproof: Yes  
switching position indicator: Yes  
anti-lock collar: No  
release: twist right or left  
mushroom head: red  
front bezel: yellow  |

---

**FRVKDOO**
**General Data**

- **Type Reference:** YV(O)(OO)(OO)(LO)(LO)(_AU)
- **Description:** Emergency Stop, foolproof
- **Approvals:** CE, TÜV_Süd
- **Nature of contact:** 2NC / 2NC+1NO / 1NC
- **Degree of protection:** IP65 / IP67
- **Connection type:** Faston terminals 2.8 mm x 0.5 mm
- **Contact material:** AgNi / AgNi, gold-plated 5μm
- **Max. storage temperature:** -40°C ... 80°C
- **Mechanical life:** 30,000
- **Electrical life (rated load):** 30,000 at rated load
- **Contact resistance NO:** < 20 mOhm / < 50 mOhm (Au)
- **Contact resistance NC:** < 20 mOhm / < 50 mOhm (Au)
- **Bouncing time NO:** < 10 ms
- **Bouncing time NC:** < 10 ms
- **Positive opening contact:** acc. to EN60947-5-1, appendix. K

**Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>AC15</th>
<th>DC13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated insulation voltage</td>
<td>250 V</td>
<td>250V</td>
</tr>
<tr>
<td>Rated operating voltage</td>
<td>35 V</td>
<td>35 V</td>
</tr>
<tr>
<td>Rated operating current</td>
<td>5A</td>
<td>2 A</td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>10le</td>
<td>1,1le</td>
</tr>
<tr>
<td>Continuous thermal current</td>
<td>5A</td>
<td></td>
</tr>
</tbody>
</table>

**Technical Data - Lamp**

- **Lamp socket:** none, with integrated LED
- **Max. lamp voltage:** 30 V AC/DC
- **Max. lamp output:** 8mA/4.5mA (bei 24 V DC/AC)
- **Definition:** X1...anode, X2...cathode

**Additional Data**

- **Mounting aperture:** 16.2 mm
- **Tightening torque (mounting nut):** 0.8 ... 1.5 Nm
- **Release:** twist release, left or right
- **Mounting position:** any
- **Standards:** EN 60947-5-1, EN 60947-5-5, EN ISO 13850
- **Material group:** I
- **Overvoltage category:** II
- **Pollution degree:** 2

**Electrical Features**

- **Operational voltage:** 20 mV...35 V AC/DC
- **Operational current AC/DC:** max. 100 mA
- **Ld:** max. 100 mA
- **B10d:** 20% (NC)
- **B10d:** 250.000

**Note**

- with switching position indicator
- Use partially insulated Faston clamps
- Recommend Schlegel type “FHTI2,8x0,5_01”
- 0.5-1.5mm² (AWG 20-16)
- 30°C - 75°C

**Supplementary data for versions without 3rd contact assignment/illumination (type YVOO):**

- **AC15 B300:** 240V 1.5A
- **DC13 Q300:** 250V 0.27A
## Emergency Stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Emergency Stop" /></td>
<td><img src="image1_dimensions.png" alt="Dimensions" /></td>
<td><strong>Emergency Stop</strong>&lt;br&gt;Series: mYnitron&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;Connection type: Faston terminals 2.8 mm x 0.5 mm&lt;br&gt;Contact equipment: 1NC&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;mushroom head: red&lt;br&gt;front bezel: yellow</td>
<td>YVO</td>
</tr>
<tr>
<td><img src="image2.png" alt="Emergency Stop" /></td>
<td><img src="image2_dimensions.png" alt="Dimensions" /></td>
<td><strong>Emergency Stop</strong>&lt;br&gt;Series: mYnitron&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;Connection type: Faston terminals 2.8 mm x 0.5 mm&lt;br&gt;Contact equipment: 2NC&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;mushroom head: red&lt;br&gt;front bezel: yellow</td>
<td>YVOO</td>
</tr>
<tr>
<td><img src="image3.png" alt="Emergency Stop" /></td>
<td><img src="image3_dimensions.png" alt="Dimensions" /></td>
<td><strong>Emergency Stop</strong>&lt;br&gt;Series: mYnitron&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;Connection type: Faston terminals 2.8 mm x 0.5 mm&lt;br&gt;Contact equipment: 2NC + 1NO&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;mushroom head: red&lt;br&gt;front bezel: yellow</td>
<td>YVOOI</td>
</tr>
<tr>
<td><img src="image4.png" alt="Illuminated Emergency Stop" /></td>
<td><img src="image4_dimensions.png" alt="Dimensions" /></td>
<td><strong>Illuminated Emergency Stop</strong>&lt;br&gt;Series: mYnitron&lt;br&gt;Panel cut-out: Ø 16.2 mm&lt;br&gt;Connection type: Faston terminals 2.8 mm x 0.5 mm&lt;br&gt;Contact equipment: 1NC&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;mushroom head: red&lt;br&gt;front bezel: yellow</td>
<td>YVLO</td>
</tr>
</tbody>
</table>
## Emergency Stops

Type addition for gold-plated version _AU_ [e.g. YVLOO_AU]

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Illuminated Emergency Stop](image1.png) | Ø25 mm | **Illuminated Emergency Stop**  
Series: mYnitron  
Panel cut-out: Ø 16.2 mm  
Connection type: Faston terminals 2.8 mm x 0.5 mm  
Contact equipment: 2NC  
foolproof: Yes  
switching position indicator: Yes  
anti-lock collar: No  
release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850  
mushroom head: red  
front bezel: yellow | YVLOO |

| ![Faston Clamp](image2.png) | 2.8 x 0.5 mm², partially insulated, with snap-in pin, for connection to YV... types | **Faston Clamp 2.8 x 0.5**, partially insulated, with snap-in pin  
Cross section: 0.5-1.5 mm²  
AWG: 20-16  
Material: brass, partially insulated, with snap-in pin  
Max. current: 10 A  
Max. voltage: 300 V  
Temperature: -30°C - 70°C  
UL Listed E70188 | FHTI2.8x0.5_01 |

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Emergency Stops
Mushroom Heads

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP65</td>
<td></td>
<td>Emergency-stop Head</td>
<td>RX-JUWEL</td>
</tr>
<tr>
<td></td>
<td>Ø31.5</td>
<td>Panel cut-out: Ø 22.3 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>31.5</td>
<td>foolproof: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40.7</td>
<td>switching position indicator: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.7</td>
<td>anti-lock collar: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>release: twist right or left</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td></td>
</tr>
</tbody>
</table>

Suitable contact blocks:
- A
- A2
- PTF
- PIF

Mushroom head: red
Front bezel: yellow

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP65</td>
<td>Ø55</td>
<td>Emergency-stop Head</td>
<td>RX-JUWEL</td>
</tr>
<tr>
<td></td>
<td>31.5</td>
<td>Panel cut-out: Ø 22.3 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>31.5</td>
<td>foolproof: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40.7</td>
<td>switching position indicator: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.7</td>
<td>anti-lock collar: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>release: twist right or left</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td></td>
</tr>
</tbody>
</table>

Suitable contact blocks:
- A
- A2
- PTF
- PIF

Mushroom head: red
Front bezel: yellow

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP65</td>
<td>Ø40</td>
<td>Mushroom Head, latch-type</td>
<td>RONDEX</td>
</tr>
<tr>
<td></td>
<td>30.5</td>
<td>Panel cut-out: Ø 22.3 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30.5</td>
<td>foolproof: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40.7</td>
<td>switching position indicator: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.7</td>
<td>anti-lock collar: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>release: twist</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td></td>
</tr>
</tbody>
</table>

Suitable contact blocks:
- D5
- DT
- ET
- M

Mushroom head: red
Front bezel: charcoal
## Emergency Stops

### Mushroom Heads

**Emergency Stops**

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Mushroom Head, latch-type](image1) | Ø40 | **Mushroom Head, latch-type**
other mushroom colours on request
must be mounted onto yellow background!
Series: RONDEX-M
Panel cut-out: Ø 22.3 mm
foolproof: No
switching position indicator: No
anti-lock collar: No
release: twist
Standard: EN 60947-5-1, EN 60947-5-5,
EN ISO 13850 | RMCV

| | mushroom head | red |
| | front bezel | metallic/charcoal |

| ![Emergency-stop Head with inscription](image2) | Ø40.3 | **Emergency-stop Head with inscription**
other mushroom colours on request, must be mounted onto yellow background!
Series: DUX-Basic
Panel cut-out: Ø 22.3 mm
switching position indicator: Yes
anti-lock collar: No
release: pull
Standard: EN 60947-5-1, EN 60947-5-5,
EN ISO 13850,
EN 81-2 Abschnitt 15 | DXRVS40SS

| | mushroom head | red |
| | front bezel | black |

| ![Emergency-stop Head with arrow](image3) | Ø39 | **Emergency-stop Head with arrow**
must be mounted onto yellow background!
Series: DUX-Basic
switching position indicator: Yes
anti-lock collar: No
release: twist
Standard: EN 60947-5-1, EN 60947-5-5,
EN ISO 13850,
EN 81-2 Abschnitt 15 | DXRV39PF

| | mushroom head | red |
| | front bezel | grey |
## Emergency Stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Emergency-stop Head Series DUX-Basic" /></td>
<td>Ø52 x H 36 x L 23</td>
<td>Suitable contact blocks</td>
<td>DUX-Basic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mushroom head</td>
<td>red</td>
</tr>
<tr>
<td></td>
<td></td>
<td>front bezel</td>
<td>polished, grey, black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DXRV52MRT, DXRV52GRT, DXRV52SRT</td>
</tr>
</tbody>
</table>

### Emergency-stop Head Series DUX-Basic
- mushroom colours on request, must be mounted onto yellow background!
- Panel cut-out: Ø 22.3 mm
- Switching position indicator: No
- Anti-lock collar: No
- Release: twist
- Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

#### Suitable Contact Blocks
- DS
- DT
- ET
- M

### Emergency-stop Head Series QUARTEX-R
- Mushroom head red
- Front bezel yellow
- Panel cut-out: Ø 22.3 mm
- Foolproof: Yes
- Switching position indicator: Yes
- Anti-lock collar: No
- Release: twist right or left
- Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

#### Suitable Contact Blocks
- ASI
- DS
- DT
- ET
- M

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**Emergency Stoppes**

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## Emergency Stops

### Emergency-stop Head for hygienic applications

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **Foolproof**: Yes
- **Switching position indicator**: No
- **Anti-lock collar**: No
- **Release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**Suitable contact blocks**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A51</td>
<td>mushroom head red</td>
</tr>
<tr>
<td>D5</td>
<td>front bezel yellow</td>
</tr>
</tbody>
</table>

### Emergency-stop Head

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **Foolproof**: Yes
- **Switching position indicator**: Yes
- **Anti-lock collar**: Yes
- **Release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**Suitable contact blocks**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A51</td>
<td>mushroom head red</td>
</tr>
<tr>
<td>D5</td>
<td>front bezel yellow</td>
</tr>
</tbody>
</table>

### Emergency-stop Head with protective shroud

**NOTE**: The user must ensure the emergency stop with protective shroud to be easy accessible!

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **Foolproof**: Yes
- **Switching position indicator**: Yes
- **Anti-lock collar**: Yes
- **Release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**Suitable contact blocks**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A51</td>
<td>mushroom head red</td>
</tr>
<tr>
<td>D5</td>
<td>front bezel yellow</td>
</tr>
</tbody>
</table>
### Emergency Stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Emergency-stop Head" /></td>
<td>Ø43.5 x Ø31.5 mm</td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;Series: QUARTEX-R&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;suitable contact blocks: ASI, DS, ET, M</td>
<td>QR8UV43</td>
</tr>
<tr>
<td><img src="image2" alt="Emergency-stop Head" /></td>
<td>Ø55 x Ø31.5 mm</td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;Series: QUARTEX-R&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: key release&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;suitable contact blocks: ASI, DS, ET, M</td>
<td>QR8UV5SE43</td>
</tr>
<tr>
<td><img src="image3" alt="Emergency-stop Head" /></td>
<td>Ø43.5 x Ø31.6 mm</td>
<td><strong>Emergency-stop Head</strong>&lt;br&gt;Series: QUARTEX-R&lt;br&gt;Panel cut-out: Ø 22.3 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: key release&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850&lt;br&gt;suitable contact blocks: ASI, DS, ET, M</td>
<td>QR8UV5SE43</td>
</tr>
</tbody>
</table>

**QR8UV5SE43**

- **Mushroom head**: red
- **Front bezel**: yellow

**QR8UV5SE43**

- **Mushroom head**: red
- **Front bezel**: yellow

**QR8UV5SE43**

- **Mushroom head**: red
- **Front bezel**: yellow

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Emergency Stops

**Emergency-stop Head with protective shroud**

NOTE: The user must ensure the emergency stop with protective shroud to be easy accessible!

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: Yes
- **release**: key release
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP66</td>
<td></td>
<td>Emergency-stop Head with protective shroud</td>
<td>QRSKUVSE</td>
</tr>
</tbody>
</table>

**Emergency-stop Head**

In its active state, the emergency-stop head can be latched with a U-lock. The U-lock is not included with the delivery scope.

Note: The user must ensure easy accessibility of the E-stop with protective collar!

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: Yes
- **release**: twist right or left

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP66</td>
<td></td>
<td>Emergency-stop Head</td>
<td>QRSKUV_556</td>
</tr>
</tbody>
</table>

*Made in Germany*
Emergency Stops

**Illustration Dimensions Description Type**

**Illuminated Emergency-stop Head**

with illuminated anti-lock collar, 24V / 15mA AC/DC, connection of LED ring illumination possible via VK_BKL034, VK_JST025BKL or MAL

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: Yes
- **release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**QRBLUV**

- Suitable contact blocks
- mushroom head: red
- front bezel: yellow

**Emergency-stop Head with illuminated protective shroud**

24V / 15mA AC/DC, connection of LED ring illumination possible via VK_BKL034, VK_JST025BKL or MAL

**NOTE**: The user must ensure the emergency stop with protective shroud to be easy accessible!

- **Series**: QUARTEX-R
- **Panel cut-out**: Ø 22.3 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: Yes
- **release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

**QRSKLUV**

- Suitable contact blocks
- mushroom head: red
- front bezel: yellow

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## Emergency Stops

<table>
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<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Illustration" /></td>
<td>Ø55</td>
<td>Illuminated Emergency-stop Head</td>
<td>QUARTEX-R</td>
</tr>
<tr>
<td></td>
<td>Ø31.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>42</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>61</td>
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<tr>
<td></td>
<td>1.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>19.4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Illuminated Emergency-stop Head**

- with illuminated anti-lock collar, 24 V / 15 mA AC/DC,
- connection of LED ring illumination possible via VK_BKL043, VK_JST025BKl or MAL

<table>
<thead>
<tr>
<th>Series</th>
<th>Panel cut-out</th>
<th>foolproof</th>
<th>switching position indicator</th>
<th>anti-lock collar</th>
<th>release</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUARTEX-R</td>
<td>Ø 22.3 mm</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>key release</td>
<td>EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
</tr>
</tbody>
</table>

**suitable contact blocks**

- ASI
- DS
- DT
- ET
- M

- mushroom head: red
- front bezel: yellow

---

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Illustration" /></td>
<td>Ø67</td>
<td>Emergency-stop Head with illuminated protective shroud</td>
<td>QUARTEX-R</td>
</tr>
<tr>
<td></td>
<td>Ø31.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>42</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>61</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>19.4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Emergency-stop Head with illuminated protective shroud**

24 V / 15 mA AC/DC,
connection of LED ring illumination possible via VK_BKL034, VK_JST025BKl or MAL

**NOTE:** The user must ensure the emergency stop with protective shroud to be easy accessible!

<table>
<thead>
<tr>
<th>Series</th>
<th>Panel cut-out</th>
<th>foolproof</th>
<th>switching position indicator</th>
<th>anti-lock collar</th>
<th>release</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUARTEX-R</td>
<td>Ø 22.3 mm</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>key release</td>
<td>EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
</tr>
</tbody>
</table>

**suitable contact blocks**

- CS
- DT
- ET
- M

- mushroom head: red
- front bezel: yellow
## Accessories for Actuators

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Connection Module](image1.png) | IP00 | **Connection Module**  
Serves to connect the illuminated emergency stops via a screw terminal. The connection module is snapped into the module holders MHR_3 or MHR_5.  
12-30V, AC/DC, max. 44mA  
Series QUARTEX-R  
Connection type screw connection 2x2.5mm²  
Colour white | MAL |
| ![Connection Cable](image2.png) | VK_JST025BKL | **Connection Cable**  
Serves to connect an illuminated emergency-stop pushbutton to an AS-Interface slave (Safety at Work), 2-core strand, red/black, 0.25 mm², with male connector crimped on both sides, length: approx. 10 cm | |
| ![Connection Cable](image3.png) | VK_BKL034 | **Connection Cable**  
With open end, serves to connect the illuminated emergency stops to a voltage source. Length: approx. 30 cm, cross section 0.34 mm² (AWG22) | |
# Emergency Stops

## Mushroom Heads

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Emergency-stop Head](image1.png) | Ø 22.3 mm | **Emergency-stop Head**
Series: QUARTEX-R
Panel cut-out: Ø 22.3 mm
foolproof: Yes
switching position indicator: Yes
anti-lock collar: Yes
release: twist right or left
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850
suitable contact blocks: QRBUV70
- mushroom head: red
- front bezel: yellow |

| ![Mushroom Head, latch-type](image2.png) | Ø 22.3 mm | **Mushroom Head, latch-type**
other mushroom colours on request
must be mounted onto yellow background!
Series: QUARTEX-R
Panel cut-out: Ø 22.3 mm
foolproof: No
switching position indicator: No
anti-lock collar: No
release: twist
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850
suitable contact blocks: QRV
- mushroom head: red
- front bezel: charcoal |

| ![Yellow Nameplate](image3.png) | Ø 22 mm | **Yellow Nameplate**
self-adhesive PVC foil
printing on request
outer dia.: 75 mm
for mounting dia.: 22 mm
Series: SHORTRON
Panel cut-out: Ø 22.3 mm
colour: yellow |

| ![Yellow Nameplate with quadrilingual imprint](image4.png) | Ø 22 mm | **Yellow Nameplate with quadrilingual imprint**
self-adhesive PVC foil
outer dia.: 75 mm
for mounting dia.: 22 mm
Series: SHORTRON
Panel cut-out: Ø 22.3 mm
colour: yellow |
### Emergency Stops

#### Mushroom Heads

**Emergency Stops**

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Mushroom Head, latch-type" /></td>
<td>Ø40 x 28.1</td>
<td><strong>Mushroom Head, latch-type</strong>&lt;br&gt;must be mounted onto yellow background!&lt;br&gt;Series: KOMBITAST-R&lt;br&gt;Panel cut-out: Ø 30.5 mm&lt;br&gt;Foolproof: No&lt;br&gt;Switching position indicator: No&lt;br&gt;Anti-lock collar: No&lt;br&gt;Release: Twist&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN 60068, EN ISO 13850</td>
<td>ASI DS DT ET M</td>
</tr>
</tbody>
</table>

**suitable contact blocks**

<table>
<thead>
<tr>
<th>front bezel</th>
<th>charcoal</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRV</td>
<td></td>
</tr>
</tbody>
</table>

| ![Emergency-stop Head](image2) | Ø55 x 51.5 | **Emergency-stop Head**<br>consisting of QRBUV and adapter<br>Series: KOMBITAST-R-JUWEL<br>Panel cut-out: Ø 30.5 mm<br>Foolproof: Yes<br>Switching position indicator: Yes<br>Anti-lock collar: Yes<br>Release: Right or left<br>Standard: ASI, DS, DT, ET, M | 1.6.8 | 1.5.5 |

**suitable contact blocks**

<table>
<thead>
<tr>
<th>mushroom head</th>
<th>red</th>
</tr>
</thead>
<tbody>
<tr>
<td>front bezel</td>
<td>yellow</td>
</tr>
<tr>
<td>KRBUV</td>
<td></td>
</tr>
</tbody>
</table>

| ![Emergency-stop Head](image3) | Ø55 x 51.5 | **Emergency-stop Head**<br>consisting of QRBUVSE and adapter<br>Series: KOMBITAST-R-JUWEL<br>Panel cut-out: Ø 30.5 mm<br>Foolproof: Yes<br>Switching position indicator: Yes<br>Anti-lock collar: Yes<br>Release: Key release<br>Standard: ASI, DS, DT, ET, M | 1.6.8 | 1.5.5 |

**suitable contact blocks**

<table>
<thead>
<tr>
<th>mushroom head</th>
<th>red</th>
</tr>
</thead>
<tbody>
<tr>
<td>front bezel</td>
<td>yellow</td>
</tr>
<tr>
<td>KRBUVSE</td>
<td></td>
</tr>
</tbody>
</table>
# Mushroom Heads

## Emergency Stops

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Mushroom Head Illustration" /></td>
<td>Ø68 x Ø40</td>
<td>Emergency-stop Head</td>
<td>KOMBITAST-R-JUWEL</td>
</tr>
<tr>
<td></td>
<td>12.6 x 15.8</td>
<td>Series</td>
<td>Ø 30.5 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Panel cut-out</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>foolproof</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>switching position indicator</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>anti-lock collar</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>release</td>
<td>twist right or left</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard</td>
<td>EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
</tr>
<tr>
<td></td>
<td></td>
<td>suitable contact blocks</td>
<td>ASI DS DT ET M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mushroom head</td>
<td>red</td>
</tr>
<tr>
<td></td>
<td></td>
<td>front bezel</td>
<td>yellow</td>
</tr>
</tbody>
</table>

Made in Germany

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# Emergency Stops

## Illustration Dimensions Description Type

### Emergency-stop Head

- **Series**: OKTRON-JUWEL
- **Panel cut-out**: 23 x 23 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: No
- **release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

#### suitable contact blocks

- **ASI**
- **AZ**
- **BZ**
- **PTF**

#### Emergency-stop Head

- **Series**: OKTRON-JUWEL
- **Panel cut-out**: 23 x 23 mm
- **foolproof**: Yes
- **switching position indicator**: Yes
- **anti-lock collar**: Yes
- **release**: twist right or left
- **Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850

#### suitable contact blocks

- **ASI**
- **AZ**
- **BZ**
- **PTF**

### Yellow Nameplate

- **self-adhesive PVC foil**
- **printing on request**
- **outer dia.**: 60 mm
- **for mounting aperture**: 23 x 23 mm
- **Series**: OKTRON-JUWEL
- **Panel cut-out**: 23 x 23 mm
- **colour**: yellow

### Yellow Nameplate with quadrilingual imprint

- **self-adhesive PVC foil**
- **outer dia.**: 60 mm
- **for mounting aperture**: 23 x 23 mm
- **Series**: OKTRON-JUWEL
- **Panel cut-out**: 23 x 23 mm
- **colour**: yellow

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### Emergency Stops

#### Emergency-stop Head

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<th>Dimensions</th>
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</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Emergency-stop Head" /></td>
<td>Ø36 x 40.7 x 31.5</td>
<td>Series: QUARTRON-JUWEL&lt;br&gt;Panel cut-out: 24 x 24 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: No&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td>QXJUV</td>
</tr>
</tbody>
</table>

#### Emergency-stop Head

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<tbody>
<tr>
<td><img src="image2" alt="Emergency-stop Head" /></td>
<td>Ø55 x 40.7 x 31.5</td>
<td>Series: QUARTRON-JUWEL&lt;br&gt;Panel cut-out: 24 x 24 mm&lt;br&gt;foolproof: Yes&lt;br&gt;switching position indicator: Yes&lt;br&gt;anti-lock collar: Yes&lt;br&gt;release: twist right or left&lt;br&gt;Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850</td>
<td>QXJBUV</td>
</tr>
</tbody>
</table>

#### Yellow Nameplate

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>outer dia. 60 mm&lt;br&gt;for mounting aperture 24 x 24 mm</td>
<td>self-adhesive PVC foil&lt;br&gt;printing on request</td>
<td>NAS_24</td>
</tr>
</tbody>
</table>

#### Yellow Nameplate with quadrilingual imprint

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>outer dia. 60 mm&lt;br&gt;for mounting aperture 24 x 24 mm</td>
<td>self-adhesive PVC foil&lt;br&gt;quadrilingual imprint</td>
<td>NAS_24_548</td>
</tr>
</tbody>
</table>
### Emergency Stops

#### Emergency-stop Head

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Dimensions</th>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
</table>
| ![Illustration](image) | Ø31.5 x 33.5 x 26.5 mm | **Series**: QUARTEX-R-JUWEL  
**Panel cut-out**: 26 x 26 mm  
**foolproof**: Yes  
**switching position indicator**: Yes  
**anti-lock collar**: No  
**release**: twist right or left  
**Standard**: EN 60947-5-1, EN 60947-5-5, EN ISO 13850 | **QRJUV** |

**suitable contact blocks**

<table>
<thead>
<tr>
<th>Type</th>
<th>蘑菇头</th>
<th>前盖</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASI</td>
<td>红色</td>
<td></td>
</tr>
<tr>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- mushroom head: red
- front bezel: yellow