

# Product datasheet

Specifications



## selector switch - Ø22 - standard handle - 2 positions - 1NO

XA2ED21

### Main

|                           |                          |
|---------------------------|--------------------------|
| Range of product          | Easy Harmony XA2         |
| Product or component type | Complete selector switch |
| Device short name         | XA2                      |
| Bezel material            | Plastic                  |
| Mounting diameter         | 22 mm                    |

### Complementary

|                                             |                                                                                                                                                                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sale per indivisible quantity               | 1                                                                                                                                                                                                                            |
| Fixing center                               | >= 30 x 40 mm (panel) - thickness: 1...5 mm                                                                                                                                                                                  |
| Fixing mode                                 | Fixing nut: 2...2.4 N.m                                                                                                                                                                                                      |
| Shape of signaling unit head                | Round                                                                                                                                                                                                                        |
| Type of operator                            | stay put                                                                                                                                                                                                                     |
| Operator profile                            | Black standard handle                                                                                                                                                                                                        |
| Operator position information               | 2 positions                                                                                                                                                                                                                  |
| Contacts type and composition               | 1 NO                                                                                                                                                                                                                         |
| Contact operation                           | Slow-break                                                                                                                                                                                                                   |
| Mechanical durability                       | 300000 cycles                                                                                                                                                                                                                |
| Connections - terminals                     | , clamping capacity: <= 2 x 1.5 mm <sup>2</sup><br>, clamping capacity: <= 1 x 2.5 mm <sup>2</sup><br>, clamping capacity: >= 1 x 0.5 mm <sup>2</sup><br>Faston terminals, connection size: 6.3 mm                           |
| Tightening torque                           | 0.8 N.m                                                                                                                                                                                                                      |
| Short-circuit protection                    | 10 A fuse type gL conforming to IEC 60269-1                                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 10 A (screw-clamp terminals)                                                                                                                                                                                                 |
| [Ui] rated insulation voltage               | 600 V conforming to EN 60947-1                                                                                                                                                                                               |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to EN 60947-1                                                                                                                                                                                                |
| [Ie] rated operational current              | 3 A at 240 V, AC-15, A600<br>0.27 A at 250 V, DC-13, Q600                                                                                                                                                                    |
| Electrical durability                       | 500000 cycles, AC-15, 3 A at 230 V, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-4<br>500000 cycles, DC-13, 0.2 A at 110 V, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-4 |

|                        |                                |
|------------------------|--------------------------------|
| Electrical reliability | $\Lambda < 10\exp(-8)$ at 24 V |
| Width                  | 30 mm                          |
| Height                 | 42 mm                          |
| Depth                  | 68.2 mm                        |
| Product weight         | 0.04 kg                        |

## Environment

|                                       |                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------|
| Protective treatment                  | TC                                                                                     |
| Ambient air temperature for storage   | -40...70 °C                                                                            |
| Ambient air temperature for operation | -25...55 °C                                                                            |
| Overvoltage category                  | Class I conforming to IEC 536                                                          |
| IP degree of protection               | IP65 conforming to IEC 60529                                                           |
| IK degree of protection               | IK06 conforming to IEC 60529                                                           |
| Standards                             | GB 14048.1<br>IEC 60947-1<br>GB 14048.5<br>IEC 60947-5-1                               |
| Product certifications                | CCC<br>CE                                                                              |
| Vibration resistance                  | 10 gn (f= 40...500 Hz) conforming to IEC 60068-2-6                                     |
| Shock resistance                      | 120 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

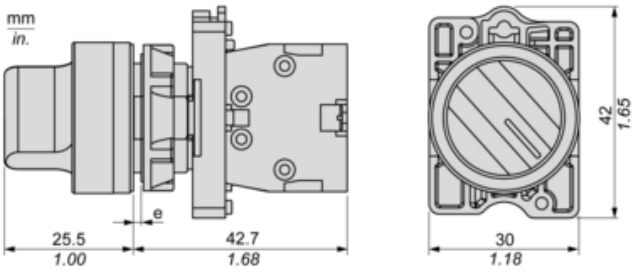
|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 3.300 cm  |
| Package 1 Width              | 3.300 cm  |
| Package 1 Length             | 6.350 cm  |
| Package 1 Weight             | 40.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 5         |
| Package 2 Height             | 7.800 cm  |
| Package 2 Width              | 18.500 cm |
| Package 2 Length             | 18.400 cm |
| Package 2 Weight             | 470.000 g |
| Unit Type of Package 3       | BB2       |
| Number of Units in Package 3 | 5         |
| Package 3 Height             | 7.800 cm  |
| Package 3 Width              | 18.500 cm |
| Package 3 Length             | 18.400 cm |
| Package 3 Weight             | 470.000 g |

## Offer Sustainability

|                          |                                   |
|--------------------------|-----------------------------------|
| Sustainable offer status | Green Premium product             |
| REACH Regulation         | <a href="#">REACH Declaration</a> |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

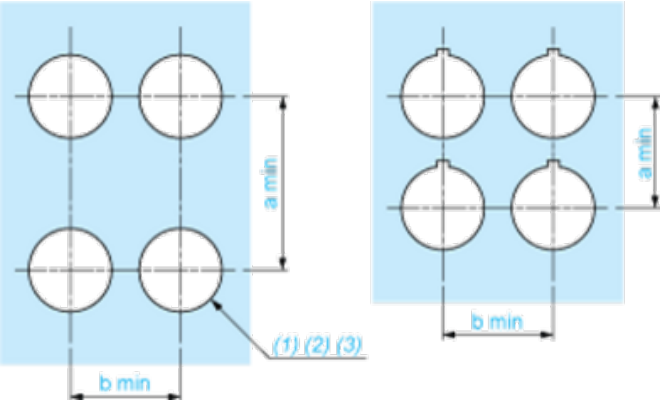
Dimensions



(e) Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

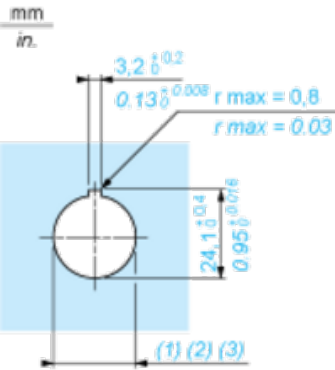
Connection by Screw Clamp Terminals



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended ( $\text{Ø}22.3 \text{ }_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. }_0^{+0.016}$ )

| Connections                        | a in mm | a in in. | b in mm | b in in. |
|------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors               | 45      | 1.77     | 32      | 1.26     |

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended ( $\text{Ø}22.3 \text{ }_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. }_0^{+0.016}$ )

Recommended replacement(s)