



## Main

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

## Complementary

|                                             |                                                                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sale per indivisible quantity               | 1                                                                                                                                                                                                                                                                    |
| Protective treatment                        | TC                                                                                                                                                                                                                                                                   |
| Operating position                          | Any position                                                                                                                                                                                                                                                         |
| Fixing center                               | $\geq 30 \times 40$ mm (panel) - thickness: 1...5 mm                                                                                                                                                                                                                 |
| Fixing mode                                 | Fixing nut recommended torque: 2.2 N.m (Us +/- 10 %)                                                                                                                                                                                                                 |
| Shape of signaling unit head                | Round                                                                                                                                                                                                                                                                |
| Type of operator                            | spring return                                                                                                                                                                                                                                                        |
| Operator profile                            | Green flush                                                                                                                                                                                                                                                          |
| Contacts type and composition               | 1 NO                                                                                                                                                                                                                                                                 |
| Contact operation                           | Slow-break                                                                                                                                                                                                                                                           |
| Mechanical durability                       | 1500000 cycles                                                                                                                                                                                                                                                       |
| Connections - terminals                     | Screw clamp terminals, clamping capacity: $2 \times 1.5 \text{ mm}^2$<br>Screw clamp terminals, clamping capacity: $1 \times 2.5 \text{ mm}^2$<br>Faston terminals, connection size: 6.3 mm<br>Screw clamp terminals, clamping capacity: $1 \times 0.5 \text{ mm}^2$ |
| Tightening torque                           | 0.8 N.m                                                                                                                                                                                                                                                              |
| Short-circuit protection                    | 10 A gL fuse conforming to IEC 60269-1                                                                                                                                                                                                                               |
| [Ith] conventional free air thermal current | 10 A                                                                                                                                                                                                                                                                 |
| [Ui] rated insulation voltage               | 600 V conforming to IEC 60947-4-1                                                                                                                                                                                                                                    |

|                                        |                                                                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-1                                                                                                                                                                                                             |
| [Ie] rated operational current         | 0.27 A at 250 V, DC-13, Q600<br>3 A at 240 V, AC-15, A600                                                                                                                                                                    |
| Electrical durability                  | 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<br>500000 cycles, DC-13, 3 A at 230 V, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-4 |
| Signalling type                        | Steady                                                                                                                                                                                                                       |
| Light source                           | LED                                                                                                                                                                                                                          |
| Bulb base                              | BA 9s                                                                                                                                                                                                                        |
| [Us] rated supply voltage              | 220 V AC 50/60 Hz                                                                                                                                                                                                            |
| Supply voltage limits                  | 176...242 V AC                                                                                                                                                                                                               |
| Current consumption                    | < 20 mA                                                                                                                                                                                                                      |
| Service life                           | 10000 h                                                                                                                                                                                                                      |
| Width                                  | 30 mm                                                                                                                                                                                                                        |
| Height                                 | 42 mm                                                                                                                                                                                                                        |
| Depth                                  | 79.5 mm                                                                                                                                                                                                                      |
| Net weight                             | 0.064 kg                                                                                                                                                                                                                     |

## Environment

|                                       |                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------|
| 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                                                                                  |
| IK degree of protection               | IK03 conforming to IEC 60529                                                          |
| Standards                             | IEC 60947-5-1<br>GB 14048.5<br>IEC 60947-1<br>GB 14048.1                              |
| Product certifications                | CCC<br>CE                                                                             |
| Vibration resistance                  | 10 gn (f= 40...500 Hz) conforming to IEC 60068-2-6                                    |
| Shock resistance                      | 70 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

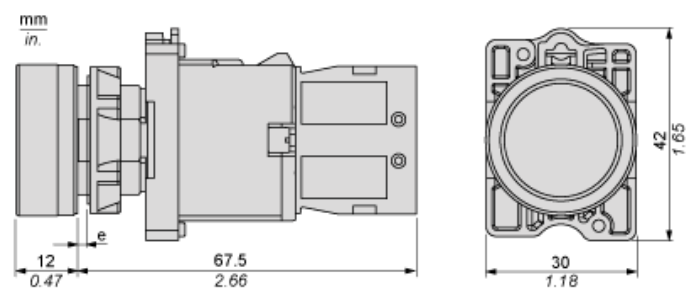
## Packing Units

|                  |            |
|------------------|------------|
| Package 1 Weight | 57.000 g   |
| Package 1 Height | 40.000 mm  |
| Package 1 width  | 110.000 mm |
| Package 1 Length | 160.000 mm |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| 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                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</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 |

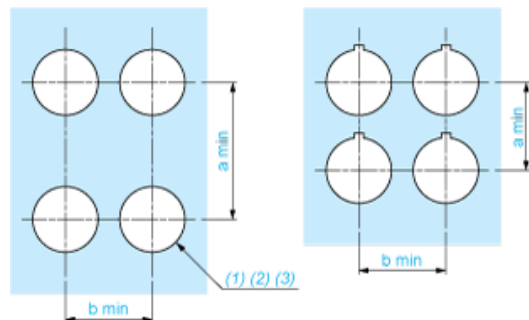
## Dimensions



(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)

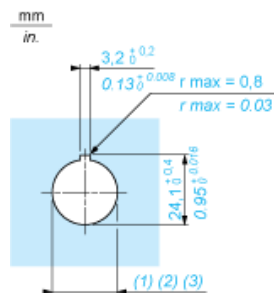
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|-----------------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

### 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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )