

Product datasheet

Specifications



flush mounted selector switch head key 455 3 pos return left to center

Local distributor code:

407817333

ZB5FG1

EAN Code: 3606481339355

Main

| | |
|-------------------------------|------------------------------|
| Range of product | Harmony XB5 |
| Product or component type | Head for key selector switch |
| Device short name | ZB5 |
| Bezel material | Dark grey plastic |
| Mounting diameter | 30.5 mm |
| Head type | Built-in-flush |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Round |
| Type of operator | Left to centre spring return |
| Operator profile | Black key switch |
| Operator position information | 3 positions +/- 45° |
| type of keylock | Key 455 |
| Key withdrawal position | Right |

Complementary

| | |
|-----------------------------|---|
| CAD overall width | 37 mm |
| CAD overall height | 37 mm |
| CAD overall depth | 72 mm |
| Net weight | 0.069 kg |
| Mechanical durability | 1000000 cycles |
| Electrical composition code | C4 for <6 contacts using single and double blocks in front mounting C5 for <5 contacts using single blocks in front mounting C6 for <5 contacts using single and double blocks in front mounting C7 for <4 contacts using single blocks in front mounting C8 for <4 contacts using single and double blocks in front mounting C11 for <3 contacts using single blocks in front mounting C3 for <6 contacts using single blocks in front mounting SF1 for <3 contacts using single blocks in front mounting |

Environment

| | |
|---------------------------------------|----------------------------------|
| protective treatment | TH |
| ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -40...70 °C |
| Overvoltage category | Class II conforming to IEC 60536 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|------------------------------------|--|
| IP degree of protection | IP66 conforming to IEC 60529 IP67 IP69 IP69K |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| IK degree of protection | IK03 conforming to IEC 50102 |
| Standards | JIS C8201-5-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-4 JIS C8201-1 |
| Product certifications | CSA LROS (Lloyds register of shipping) GL UL listed DNV BV |
| Vibration resistance | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 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 | 8.6 cm |
| Package 1 Width | 4.3 cm |
| Package 1 Length | 5.2 cm |
| Package 1 Weight | 73.0 g |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

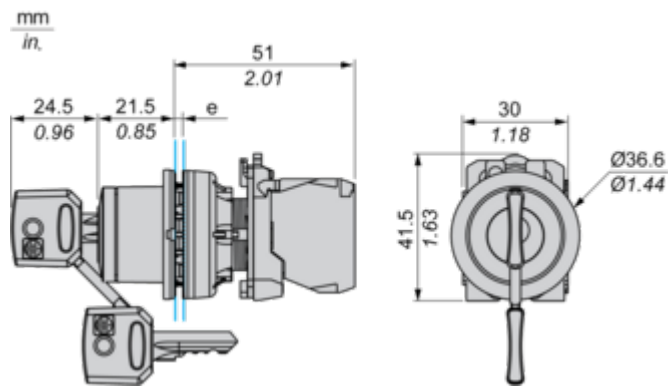
[Guide to assess a product’s sustainability >](#)

Well-being performance

| | |
|--|--|
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |

Dimensions Drawings

Dimensions



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

Mounting and Clearance

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

Connection by Screw Clamp Terminals or Plug-in Connectors



- (1) Diameter on finished panel or support
- (2) $\varnothing 30.75\text{ mm}$ recommended ($\varnothing 30.5\text{ mm}^{+0.5}_0$) / $\varnothing 1.21\text{ in.}$ recommended ($\varnothing 1.20\text{ in.}^{+0.0196}_0$)

| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 40 | 1.57 |
| By Faston connectors | 45 | 1.77 | 40 | 1.57 |

Technical Description

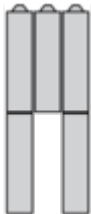
Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Code C4



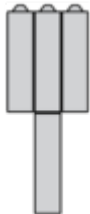
Electrical Composition Corresponding to Code C5



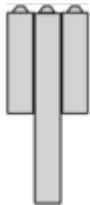
Electrical Composition Corresponding to Code C6



Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8

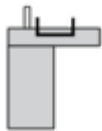


Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Electrical Composition Corresponding to Code C15

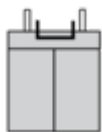
1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



| | | | | | |
|----------|----------|--------|--------|--------|--------|
| Push | Position | Top | | | |
| | | Bottom | | | |
| | Location | | Left | Centre | Right |
| | State | | 0 | 0 | 0 |
| | | | | | |
| Contacts | N/O | | open | open | open |
| | N/C | | closed | closed | closed |

Position 45°



| | | | | | |
|----------|----------|--------|--------|--------|--------|
| Push | Position | Top | | | |
| | | Bottom | | | |
| | Location | | Left | Centre | Right |
| | State | | 1 | 1 | 1 |
| | | | | | |
| Contacts | N/O | | closed | closed | closed |
| | N/C | | open | open | open |