



## Main

|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| Range of product            | Harmony XAC                                                               |
| Product or component type   | Pendant control station                                                   |
| Control station name        | XACA                                                                      |
| Control station type        | Double insulated                                                          |
| Enclosure material          | Polypropylene                                                             |
| Electrical circuit type     | Control circuit                                                           |
| Enclosure type              | Complete ready for use                                                    |
| Control station application | Control of single speed hoist motor                                       |
| Control station composition | 2 pushbuttons                                                             |
| Control button type         | Second push-button 1 NO lower, slow<br>First push-button 1 NO raise, slow |
| Contact block name          | ZB2BE101 for each direction                                               |
| Mechanical interlocking     | With mechanical interlocking                                              |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control station colour                       | Yellow                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Connections - terminals                      | Screw clamp terminals, connection capacity: 1 x 0.5...2 x 1.5 mm <sup>2</sup> with cable end<br>Screw clamp terminals, connection capacity: 1 x 0.5...1 x 2.5 mm <sup>2</sup> without cable end                                                                                                                                                                                                                                               |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cable entry                                  | Rubber sleeve with stepped entry, cable outer diameter: 8...26 mm                                                                                                                                                                                                                                                                                                                                                                             |
| Contact code designation                     | Q600 DC-13, Ue = 600 V, Ie = 0.1 A conforming to IEC 60947-5-1 appendix A<br>Q600 DC-13, Ue = 250 V, Ie = 0.27 A conforming to IEC 60947-5-1 appendix A<br>A600 AC-15, Ue = 600 V, Ie = 1.2 A conforming to IEC 60947-5-1 appendix A<br>A600 AC-15, Ue = 240 V, Ie = 3 A conforming to IEC 60947-5-1 appendix A                                                                                                                               |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Ui] rated insulation voltage                | 600 V (degree of pollution: 3)                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contacts operation                           | Slow-break                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Resistance across terminals                  | <= 25 MOhm                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating force                              | 10 N for push-button                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Short circuit protection                     | 10 A fuse protection by cartridge fuse type gG                                                                                                                                                                                                                                                                                                                                                                                                |
| Rated operational power in W                 | 65 W DC-13 for 1000000 cycles, operating rate = 60 cyc/mn at 24 V, load factor = 0.5 (inductive load) conforming to IEC 60947-5-1 appendix C<br>48 W DC-13 for 1000000 cycles, operating rate = 60 cyc/mn at 48 V, load factor = 0.5 (inductive load) conforming to IEC 60947-5-1 appendix C<br>40 W DC-13 for 1000000 cycles, operating rate = 60 cyc/mn at 120 V, load factor = 0.5 (inductive load) conforming to IEC 60947-5-1 appendix C |
| Terminals description ISO n°1                | (13-14)NO                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Terminal identifier                          | (11-12)NC<br>(13-14)NO                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product weight                               | 0.475 kg                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                            |                                                                  |
|--------------------------------------------|------------------------------------------------------------------|
| Standards                                  | EN/IEC 60204-32<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |
| Product certifications                     | CCC<br>CSA<br>GOST<br>UL                                         |
| Protective treatment                       | TH                                                               |
| Ambient air temperature for operation      | -25...70 °C                                                      |
| Ambient air temperature for storage        | -40...70 °C                                                      |
| Vibration resistance                       | 15 gn (f = 10...500 Hz) conforming to IEC 60068-2-6              |
| Shock resistance                           | 100 gn conforming to IEC 60068-2-27                              |
| Class of protection against electric shock | Class II conforming to IEC 61140                                 |
| IP degree of protection                    | IP65 conforming to IEC 60529                                     |
| IK degree of protection                    | IK08 conforming to EN 50102                                      |

## Dimensions

Below drawing shows a product with 6 cut-outs. Select the number of cut-outs according to the product characteristics in order to get b, b1 and c dimensions.



- (1) For 2 and 3-way XAC A stations.
- (2) For 4 to 8-way XAC A stations.
- (3) With trigger action Emergency stop head operator
- (4) Internal Ø

Dimensions in mm

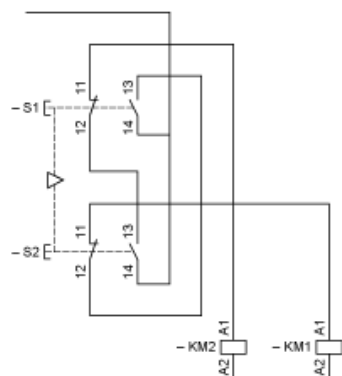
| Number of cut-outs | 2   | 3   | 4   | 5   | 6   | 8   | 12  |
|--------------------|-----|-----|-----|-----|-----|-----|-----|
| b                  | 314 | 314 | 440 | 440 | 500 | 560 | 680 |
| b1                 | 190 | 190 | 250 | 250 | 310 | 370 | 490 |
| c                  | 80  | 80  | 80  | 80  | 80  | 80  | 92  |

Dimensions in in.

| Number of cut-outs | 2     | 3     | 4     | 5     | 6     | 8     | 12    |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| b                  | 12.36 | 12.36 | 17.32 | 17.32 | 19.68 | 22.05 | 26.77 |
| b1                 | 7.48  | 7.48  | 9.84  | 9.84  | 12.20 | 14.57 | 19.29 |
| c                  | 3.15  | 3.15  | 3.15  | 3.15  | 3.15  | 3.15  | 3.62  |

## Control of Single-Speed Reversing Motor

With ZBE2BE101 + ZB2BE102 contacts blocks, to be ordered separately

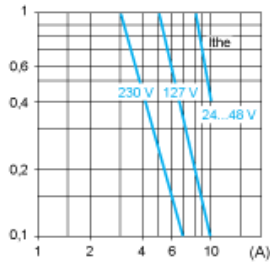


Rated Operational Power

AC Supply 50/60 Hz Inductive Circuit

Operating rate: 3600 operating cycles/hour. Load factor: 0.5.

Millions of operating cycles, AC-15 utilization category



I<sub>the</sub> Thermal current  
(A) Current

DC Supply

Operating rate: 3600 operating cycles/hour. Load factor: 0.5.

Power broken in W for 1 million operating cycles, DC-13 utilization category

| Voltage           | V | 24 | 48 | 120 |
|-------------------|---|----|----|-----|
| Inductive circuit | W | 65 | 48 | 40  |