

# XESD1181

Harmony XAC, Double contact block, spring return, front mounting, single speed C/O



## Main

|                           |                              |
|---------------------------|------------------------------|
| Range of product          | Harmony XAC                  |
| Product or component type | Contact block                |
| Component name            | XESD                         |
| Electrical circuit type   | Control circuit              |
| Contact block application | Single speed                 |
| Contact block type        | Double                       |
| Type of operator          | 2 spring return              |
| Product compatibility     | XACB<br>XACM                 |
| Mechanical interlocking   | With mechanical interlocking |
| Mounting of block         | Front mounting               |
| Contact operation         | Snap action                  |

## Complementary

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals                                  | Screw clamp terminals, 1 x 2.5 mm <sup>2</sup> with or without cable end<br>Screw clamp terminals, 2 x 1.5 mm <sup>2</sup> with or without cable end                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                                    | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Contact code designation                                 | A300 AC-15, U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A conforming to IEC 60947-5-1 appendix A<br>Q300 DC-13, U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A conforming to IEC 60947-5-1 appendix A                                                                                                                                                                                                                                                                     |
| [I <sub>th</sub> ] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [U <sub>i</sub> ] rated insulation voltage               | 500 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | IEC 60947-1 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Maximum resistance across terminals                      | 25 MOhm                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating force                                          | 15 N<br>25 N                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Short-circuit protection                                 | 10 A fuse protection by cartridge fuse type gG                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated operational power in W                             | 140 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>140 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>95 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                              |
| Rated operational power in VA                            | 100 VA AC-15 for 1000000 cycles, operating rate <60 cyc/mn at 48 V 50/60 Hz, load factor = 0.5 (inductive load)<br>450 VA AC-15 for 1000000 cycles, operating rate <60 cyc/mn at 127 V 50/60 Hz, load factor = 0.5 (inductive load)<br>50 VA AC-15 for 1000000 cycles, operating rate <60 cyc/mn at 24 V 50/60 Hz, load factor = 0.5 (inductive load)<br>750 VA AC-15 for 1000000 cycles, operating rate <60 cyc/mn at 230 V 50/60 Hz, load factor = 0.5 (inductive load) |
| Terminals description ISO n°1                            | B<br>(13-14-11-12)OF                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Terminals description ISO n°2                            | B<br>(23-24-21-22)OF                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Terminal identifier                                      | (13-14)NO<br>(11-12)NC                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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## Environment

|                                       |                                                    |
|---------------------------------------|----------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>EN 60947-5-1<br>IEC 60947-5-1   |
| 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                |
| Electrical shock protection class     | Class II conforming to IEC 61140                   |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.156 kg |
| Package 1 Height | 0.710 dm |
| Package 1 width  | 0.720 dm |
| Package 1 Length | 0.890 dm |

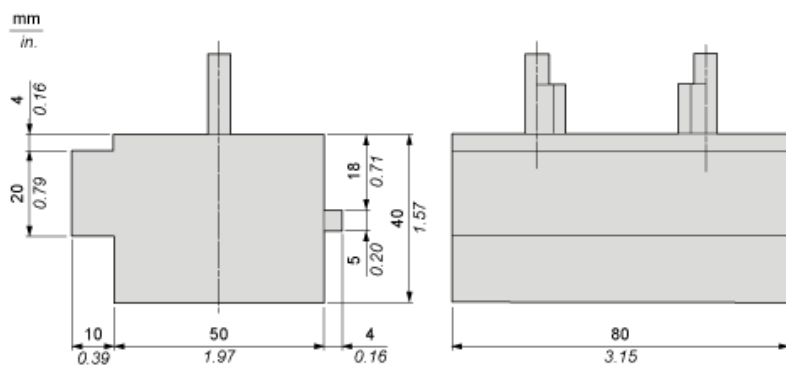
## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                |
| Mercury free               | Yes                                                                                                                                                                                |
| RoHS exemption information |  <a href="#">Yes</a>                                                                             |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                         |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins                                                        |

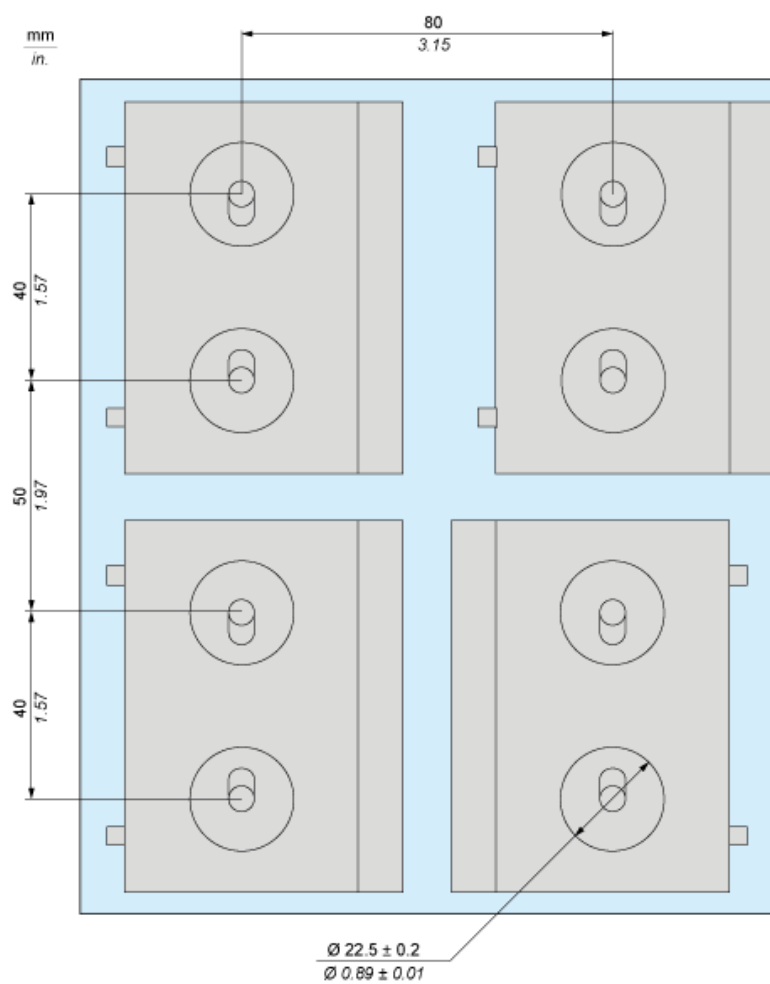
## Contractual warranty

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

## Dimensions



## Mounting



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## Rated Operational Power

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### AC Supply 50/60 Hz

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

Power broken in VA for 1 million operating cycles, AC-15 utilization category

| Voltage           | V | 24 | 48  | 127 | 230 |
|-------------------|---|----|-----|-----|-----|
| Inductive circuit | W | 50 | 100 | 450 | 750 |

### 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 | 140 | 140 | 95  |