



## Main

|                               |                              |
|-------------------------------|------------------------------|
| Range of product              | Harmony XAC                  |
| Product or component type     | Contact block                |
| Component name                | XEND                         |
| Electrical circuit type       | Control circuit              |
| Contact block application     | 2-speed                      |
| Contact block type            | Double                       |
| Type of operator              | 2 spring return              |
| Product compatibility         | XACB<br>XACM                 |
| Mechanical interlocking       | With mechanical interlocking |
| Contacts type and composition | 2 NO                         |
| Mounting of block             | Front mounting               |
| Contacts operation            | Slow-break<br>Staggered      |

## Complementary

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals                                   | Screw clamp terminals, connection capacity: 2 x 1.5 mm <sup>2</sup> with or without cable end<br>Screw clamp terminals, connection capacity: 1 x 2.5 mm <sup>2</sup> with or without cable end                                                                                                                                                                                                                                                                                 |
| Mechanical durability                                     | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Contact code designation                                  | Q300 DC-13, U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A conforming to IEC 60947-5-1 appendix A<br>A300 AC-15, U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A conforming to IEC 60947-5-1 appendix A                                                                                                                                                                                                                                                                          |
| [I <sub>the</sub> ] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [U <sub>i</sub> ] rated insulation voltage                | 400 V (degree of pollution: 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [U <sub>imp</sub> ] rated impulse withstand voltage       | 6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Resistance across terminals                               | <= 25 MOhm                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Short circuit protection                                  | 10 A fuse protection by cartridge fuse type gG                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Rated operational power in W                              | 48 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>35 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<br>31 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                                  |
| Rated operational power in VA                             | 680 VA AC-15 for 1000000 cycles, operating rate = 60 cyc/mn at 230 V 50/60 Hz, load factor = 0.5 (inductive load)<br>640 VA AC-15 for 1000000 cycles, operating rate = 60 cyc/mn at 127 V 50/60 Hz, load factor = 0.5 (inductive load)<br>210 VA AC-15 for 1000000 cycles, operating rate = 60 cyc/mn at 48 V 50/60 Hz, load factor = 0.5 (inductive load)<br>140 VA AC-15 for 1000000 cycles, operating rate = 60 cyc/mn at 24 V 50/60 Hz, load factor = 0.5 (inductive load) |
| Terminals description ISO n°1                             | (13-14)NO<br>(23-24)NO_CL<br>B                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Terminals description ISO n°2                             | (33-34)NO<br>(43-44)NO_CL<br>B                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Terminal identifier                                       | (11-12)NC<br>(13-14)NO                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product weight                                            | 0.11 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Environment

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Standards                             | EN 60947-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 14    |
| 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                 |

---

## Rated Operational Power

---

### 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 | 140 | 210 | 640 | 680 |

### 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 | 48 | 31 | 35  |