Product data sheet Characteristics

9001SKR1UH5 PUSHBUTTON 600VAC 10AMP 30MM SK +OPTIONS





| Main | |
|---------------------------------|----------------------------------|
| Range of product | Harmony 9001SK |
| Product or component type | Push-button |
| Device short name | 9001SK |
| Type of operator | Spring return |
| Operator profile | 7 colours choice flush, unmarked |
| Operator additional information | Full guard in plastic |

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| Mounting diameter 30 mm Shape of signaling unit head Octagonal Contacts type and composition 1 NO Contact operation Slow-break Connections - terminals Screw clamp terminals 1 x 0.222 x 1.5 mm² conforming to EN/IEC 60947-1 Tightening torque 0.8 N.m conforming to EN/IEC 60947-1 Shape of screw head Cross slotted Mechanical durability 5000000 cycles Operating position Any position [le] rated operational current 3 A at 240 V, AC-15, A600-Q600 0.55 A at 125 V, DC-13, A600-Q600 [Uij] rated impulse withstand voltage 2.5 kV EN/IEC 60947-1 Contacts material Silver alloy contacts Positive opening Without Short-circuit protection 10 A cartridge fuse conforming to EN/IEC 60947-5-1 [Ith] conventional free air thermal current 10 A [Icm] rated short-circuit making capacity 12 KA at 600 V AC-15, 7200 VA | Bezel material | Plastic |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts type and composition Contact operation Slow-break Screw clamp terminals 1 x 0.222 x 1.5 mm² conforming to EN/IEC 60947-1 Tightening torque 0.8 N.m conforming to EN/IEC 60947-1 Shape of screw head Cross slotted Mechanical durability 5000000 cycles Operating position Any position [le] rated operational current 3 A at 240 V, AC-15, A600-Q600 0.55 A at 125 V, DC-13, A600-Q600 [Ui] rated insulation voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Ith] contacts material Silver alloy contacts Positive opening Without 10 A cartridge fuse conforming to EN/IEC 60947-5-1 [Ith] conventional free air thermal current 10 A [Icm] rated short-circuit making capacity 12 KA at 600 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 40 KA at 120 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 60 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 480 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 1.7 KA at 4 | Mounting diameter | 30 mm |
| Contact operation Slow-break Connections - terminals Screw clamp terminals 1 x 0.222 x 1.5 mm² conforming to EN/IEC 60947-1 Tightening torque 0.8 N.m conforming to EN/IEC 60947-1 Shape of screw head Cross slotted Mechanical durability 5000000 cycles Operating position Any position I[e] rated operational current 3 A at 240 V, AC-15, A600-Q600 [Ui] rated insulation voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 2.5 kV EN/IEC 60947-1 Contacts material Silver alloy contacts Positive opening Without Short-circuit protection 10 A cartridge fuse conforming to EN/IEC 60947-5-1 [Ith] conventional free air thermal current 10 A [Icm] rated short-circuit making capacity X A at 600 V AC-15, 7200 VA 30 KA at 420 V AC-15, 7200 VA 40 KA at 120 V AC-15, 7200 VA 50 KA at 120 V AC-15, 720 VA 50 KA at 120 V AC-15, 720 VA 51 KA at 600 V DC-13 52 KA at 600 V AC-15, 720 VA 53 KA at 240 V AC-15, 720 VA 54 KA at 600 V AC-15, 720 VA 55 KA at 480 V AC-15, 720 VA 56 KA at 120 V AC-15, 720 VA 57 KA at 600 V AC-15, 720 VA 58 KA at 480 V AC-15, 720 VA 59 KA at 480 V AC-15, 720 VA 50 KA at 4 | Shape of signaling unit head | Octagonal |
| Connections - terminals Screw clamp terminals 1 x 0.222 x 1.5 mm² conforming to EN/IEC 60947-1 Tightening torque 0.8 N.m conforming to EN/IEC 60947-1 Shape of screw head Cross slotted Mechanical durability 5000000 cycles Operating position Any position Any position [le] rated operational current 3 A at 240 V, AC-15, A600-Q600 [Ui] rated insulation voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 2.5 kV EN/IEC 60947-1 Contacts material Silver alloy contacts Positive opening Without Short-circuit protection 10 A cartridge fuse conforming to EN/IEC 60947-5-1 [Ith] conventional free air thermal current 10 A [Icm] rated short-circuit making capacity 12 KA at 600 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 Rated breaking capacity 3 KA at 240 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 | Contacts type and composition | 1 NO |
| Tightening torque | Contact operation | Slow-break |
| Shape of screw head | Connections - terminals | Screw clamp terminals 1 x 0.222 x 1.5 mm² conforming to EN/IEC 60947-1 |
| Mechanical durability 5000000 cycles Operating position Any position [le] rated operational current 3 A at 240 V, AC-15, A600-Q600 0.55 A at 125 V, DC-13, A600-Q600 [Uii] rated insulation voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 [Uimp] rated impulse withstand voltage 2.5 kV EN/IEC 60947-1 Contacts material Silver alloy contacts Positive opening Without Short-circuit protection 10 A cartridge fuse conforming to EN/IEC 60947-5-1 [Ith] conventional free air thermal current 10 A I[cm] rated short-circuit making capacity 12 kA at 600 V AC-15, 7200 VA 15 KA at 480 V AC-15, 7200 VA 30 kA at 240 V AC-15, 7200 VA 0.1 KA at 200 V AC-15, 7200 VA 0.1 KA at 250 V DC-13 Rated breaking capacity 3 KA at 240 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 0.1 KA at 480 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 480 V AC-15, 720 VA 0.27 KA at 250 V DC-13 0.1 KA at 480 V AC-15 0.1 KA at 480 V AC-15 0.086 kg | Tightening torque | 0.8 N.m conforming to EN/IEC 60947-1 |
| Coperating position | Shape of screw head | Cross slotted |
| Table Tated operational current 3 A at 240 V, AC-15, A600-Q600 0.55 A at 125 V, DC-13, A600-Q600 0.55 A at 125 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, 720 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15, T20 V, A at 250 V, DC-13 0.50 A at 120 V, AC-15 0.50 | Mechanical durability | 5000000 cycles |
| Ui] rated insulation voltage 250 V (pollution degree 3) conforming to EN/IEC 60947-1 | Operating position | Any position |
| Contacts material Silver alloy contacts | [le] rated operational current | ,, |
| Silver alloy contacts | [Ui] rated insulation voltage | 250 V (pollution degree 3) conforming to EN/IEC 60947-1 |
| Positive opening Without | [Uimp] rated impulse withstand voltage | 2.5 kV EN/IEC 60947-1 |
| Short-circuit protection 10 A cartridge fuse conforming to EN/IEC 60947-5-1 | Contacts material | Silver alloy contacts |
| [lth] conventional free air thermal current 10 A [lcm] rated short-circuit making capacity 12 KA at 600 V AC-15, 7200 VA 15 KA at 480 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 0.1 KA at 600 V DC-13 0.27 kA at 250 V DC-13 Rated breaking capacity 3 KA at 240 V AC-15, 720 VA 6 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 480 V AC-15 Product weight 0.086 kg | Positive opening | Without |
| [Icm] rated short-circuit making capacity 12 KA at 600 V AC-15, 7200 VA 15 KA at 480 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 0.1 KA at 600 V DC-13 0.27 kA at 250 V DC-13 Rated breaking capacity 3 KA at 240 V AC-15, 720 VA 6 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.2 KA at 480 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 0.1 KA at 480 V AC-15 Product weight 0.086 kg | Short-circuit protection | 10 A cartridge fuse conforming to EN/IEC 60947-5-1 |
| 15 KA at 480 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 0.1 KA at 600 V DC-13 0.27 kA at 250 V DC-13 Rated breaking capacity 3 KA at 240 V AC-15, 720 VA 6 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 250 V DC-13 0.27 KA at 250 V DC-13 0.28 KA at 480 V AC-15 Product weight 0.086 kg | [lth] conventional free air thermal current | 10 A |
| 6 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 0.1 kA at 480 V AC-15 Product weight 0.086 kg | [lcm] rated short-circuit making capacity | 15 KA at 480 V AC-15, 7200 VA 30 KA at 240 V AC-15, 7200 VA 60 KA at 120 V AC-15, 7200 VA 0.1 KA at 600 V DC-13 |
| | Rated breaking capacity | 6 KA at 120 V AC-15, 720 VA 1.2 KA at 600 V AC-15, 720 VA 1.5 KA at 480 V AC-15, 720 VA 0.1 KA at 600 V DC-13 0.27 KA at 250 V DC-13 |
| Device presentation Complete product | Product weight | 0.086 kg |
| | Device presentation | Complete product |

Environment

| Standards | JIS C 852 |
|---------------------------------------|-----------------------------------------------|
| | UL 508 |
| | EN/IEC 60947-5-1 |
| | EN/IEC 60947-5-4 |
| | EN/IEC 60947-1 |
| | CSA C22.2 No 14 |
| | JIS C 4520 |
| Product certifications | UL 508 |
| | NEMA |
| Protective treatment | TC |
| Ambient air temperature for storage | -4070 °C |
| Ambient air temperature for operation | -2570 °C |
| Vibration resistance | 7 gn (f= 2500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class II conforming to IEC 61140 |
| IP degree of protection | IP66 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 1 |
| | NEMA 12 |
| | NEMA 13 |
| | NEMA 2 |
| | NEMA 3 |
| | NEMA 3R |
| | NEMA 4 |
| | NEMA 4X |

Offer Sustainability

| Sustainable offer status | Green Premium product |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| REACh Regulation | ☑ REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | ₫Yes |
| China RoHS Regulation | ☐ China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

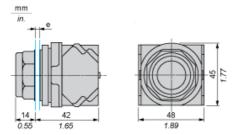
Contractual warranty

| Warranty | 18 months |
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Product data sheet Dimensions Drawings

9001SKR1UH5

Dimensions



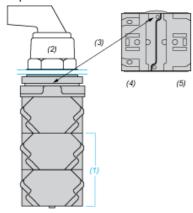
e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.

Product data sheet Mounting and Clearance

9001SKR1UH5

Contact Block Mounting Position

Top and Rear views



- (1) (2) (3) It is possible to mount up to 3 levels of contacts blocks (maximum of 6 contacts blocks)
- Operator
- Locating notch
- Side 1
- (4) (5) Side 2