

# Product data sheet

Specifications

## body for paralleling switch - 1 pole - 45° - 12 A - rear mounting



K1D504G

 **Discontinued on:** Jan 29, 2021

 **Discontinued**

### Main

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| Range Of Product                            | Harmony K                           |
| Product Or Component Type                   | Cam switch body                     |
| Component Name                              | K1                                  |
| [Ith] Conventional Free Air Thermal Current | 12 A                                |
| Sub-Assembly Composition                    | Contact blocks + fixing plate       |
| Cam Switch Function                         | Paralleling switch                  |
| Off Position                                | With Off position                   |
| Poles Description                           | 1P                                  |
| Switching Positions                         | Right: 0° - 45° - 90° - 135° - 180° |
| Product Mounting                            | Rear mounting                       |
| Fixing Mode                                 | 4 holes                             |
| Bezel Material                              | Plastic                             |

### Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number Of Loads                              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Switching Angle                              | 45 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [Ui] Rated Insulation Voltage                | 690 V 3)IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Ithe] Conventional Enclosed Thermal Current | 10 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rated Operational Power In W                 | 10500 W AC-21, 500 - 660 V 3 phase IEC 947-3<br>1100 W AC-3, 230 V 3 phase IEC 947-3<br>1500 W AC-23A, 230 V 3 phase IEC 947-3<br>1500 W AC-3, 400 V 1 phase IEC 947-3<br>1500 W AC-3, 400 V 3 phase IEC 947-3<br>1500 W AC-3, 500 V 3 phase IEC 947-3<br>1500 W AC-3, 690 V 3 phase IEC 947-3<br>2200 W AC-23A, 400 V 3 phase IEC 947-3<br>2200 W AC-23A, 500 V 3 phase IEC 947-3<br>2200 W AC-23A, 690 V 3 phase IEC 947-3<br>4800 W AC-21, 230 V 3 phase IEC 947-3<br>600 W AC-3, 230 V 1 phase IEC 947-3<br>8300 W AC-21, 400 V 3 phase IEC 947-3 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] Rated Operational Current Ac      | 1 A 500 V AC-15 IEC 947-5-1<br>2 A 400 V AC-15 IEC 947-5-1<br>3 A 230 V AC-15 IEC 947-5-1<br>1.8 A 690 V AC-3 3 phase IEC 947-3<br>2.8 A 500 V AC-3 3 phase IEC 947-3<br>2.8 A 690 V AC-23A 3 phase IEC 947-3<br>3.3 A 400 V AC-3 3 phase IEC 947-3<br>3.8 A 500 V AC-23A 3 phase IEC 947-3<br>4.6 A 230 V AC-3 3 phase IEC 947-3<br>4.8 A 400 V AC-23A 3 phase IEC 947-3<br>5.6 A 230 V AC-23A 3 phase IEC 947-3 |
| Electrical Durability                  | 1000000 cycles AC-15<br>1000000 cycles AC-21<br>500000 cycles AC-23<br>500000 cycles AC-3                                                                                                                                                                                                                                                                                                                         |
| Maximum Operating Rate                 | 2.5 cyc/mn AC-21<br>2.5 cyc/mn AC-23<br>2.5 cyc/mn AC-3<br>8.333 cyc/mn AC-15                                                                                                                                                                                                                                                                                                                                     |
| Short-Circuit Current                  | 10000 A                                                                                                                                                                                                                                                                                                                                                                                                           |
| Short-Circuit Protection               | 16 A cartridge fuse gG                                                                                                                                                                                                                                                                                                                                                                                            |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV in isolating function<br>6 kV IEC 947-1                                                                                                                                                                                                                                                                                                                                                                      |
| Contact Operation                      | Slow-break                                                                                                                                                                                                                                                                                                                                                                                                        |
| Positive Opening                       | With                                                                                                                                                                                                                                                                                                                                                                                                              |
| Electrical Connection                  | Captive screw clamp terminals flexible 2 x 1.5 mm²<br>Captive screw clamp terminals solid 1 x 2.5 mm²                                                                                                                                                                                                                                                                                                             |
| Mechanical Durability                  | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                    |
| Net Weight                             | 0.33 lb(US) (0.15 kg)                                                                                                                                                                                                                                                                                                                                                                                             |

## Environment

|                                       |                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CENELEC EN 50013<br>EN 60947-3 power circuit<br>EN 60947-5-1 control circuit<br>IEC 60947-3 power circuit<br>IEC 60947-5-1 control circuit |
| Product Certifications                | CSA 240 V 1 hp 1 phase<br>CSA 240 V 3 hp 3 phase 2<br>UL 240 V 1 hp 3 phase<br>UL 240 V 0.33 hp 1 phase 2                                  |
| Protective Treatment                  | TC                                                                                                                                         |
| Ambient Air Temperature For Operation | -13...131 °F (-25...55 °C)                                                                                                                 |
| Ambient Air Temperature For Storage   | -40...158 °F (-40...70 °C)                                                                                                                 |
| Shock Resistance                      | 30 gn IEC 68-2-27                                                                                                                          |
| Vibration Resistance                  | 5 gn 10...150 Hz)IEC 68-2-6                                                                                                                |
| Electrical Shock Protection Class     | Class II IEC 536<br>Class II NF C 20-030                                                                                                   |

## Ordering and shipping details

|                   |                                         |
|-------------------|-----------------------------------------|
| Category          | 18406-WORLD SERVICE PARTS(OTHER OP INT) |
| Discount Schedule | CS2                                     |
| Gtin              | 3389110475340                           |
| Returnability     | No                                      |

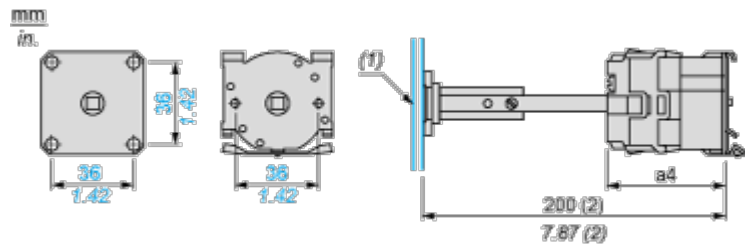
# Contractual warranty

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

Dimensions Drawings

Body

Rear Mounting



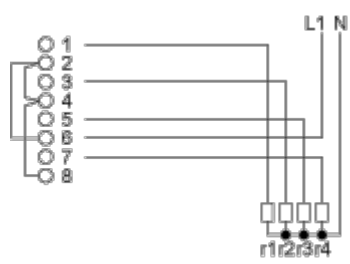
a4 52.5 mm/2.07 in.

(1) Panel cut-out: Ø 10 mm/0.39 in. central hole

Technical Description

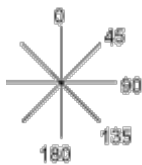
Link Positions (Factory Mounted)

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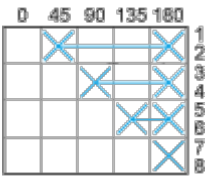
Angular Position of Switch

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Switching Program

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Convention Used for Switching Program Representation

-  Contact closed
-  Contact closed in 2 positions and maintained between the 2 positions
-  Sealed assembly for auto-maintain control
-  Overlapping contacts
-  Spring return position: for a switching angle of 90°, spring return is over 30° after the last position (for a maximum of 3 simultaneous contacts).

Example:

