

# Product data sheet

Specifications



## body for stepping switch - 2-pole - 45° - 20 A - rear mounting

K2M516N

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

### Main

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Range Of Product                            | Harmony K                                  |
| Product Or Component Type                   | Cam switch body                            |
| Component Name                              | K2                                         |
| [Ith] Conventional Free Air Thermal Current | 20 A                                       |
| Sub-Assembly Composition                    | Contact blocks + fixing plate              |
| Cam Switch Function                         | Stepping switch                            |
| Off Position                                | Without Off position                       |
| Poles Description                           | 2P                                         |
| Switching Positions                         | Right: 0° - 45° - 90° - 135° - 180° - 225° |
| Mounting Location                           | Rear                                       |
| Fixing Mode                                 | 4 holes                                    |
| Bezel Material                              | Plastic                                    |

### Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number Of Steps                              | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Switching Angle                              | 45 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ui] Rated Insulation Voltage                | 690 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ithe] Conventional Enclosed Thermal Current | 16 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rated Operational Power In W                 | 1300 W AC-3, 230 V 1 phase conforming to IEC 947-3<br>14000 W AC-21, 400 V 3 phases conforming to IEC 947-3<br>17000 W AC-21, 500 - 660 V 3 phases conforming to IEC 947-3<br>2200 W AC-3, 230 V 3 phases conforming to IEC 947-3<br>2200 W AC-3, 400 V 1 phase conforming to IEC 947-3<br>4000 W AC-23A, 230 V 3 phases conforming to IEC 947-3<br>4000 W AC-3, 400 V 3 phases conforming to IEC 947-3<br>4000 W AC-3, 500 V 3 phases conforming to IEC 947-3<br>4000 W AC-3, 690 V 3 phases conforming to IEC 947-3<br>5500 W AC-23A, 400 V 3 phases conforming to IEC 947-3<br>5500 W AC-23A, 500 V 3 phases conforming to IEC 947-3<br>5500 W AC-23A, 690 V 3 phases conforming to IEC 947-3<br>8000 W AC-21, 230 V 3 phases conforming to IEC 947-3 |

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

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Ie] Rated Operational Current Ac</b>      | 8 A at 400 V AC-3 3 phases conforming to IEC 947-3<br>10.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3<br>14.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3<br>4.7 A at 690 V AC-3 3 phases conforming to IEC 947-3<br>6.4 A at 690 V AC-23A 3 phases conforming to IEC 947-3<br>6.5 A at 500 V AC-3 3 phases conforming to IEC 947-3<br>8.3 A at 230 V AC-3 3 phases conforming to IEC 947-3<br>8.9 A at 500 V AC-23A 3 phases conforming to IEC 947-3<br>2 A at 500 V AC-15 conforming to IEC 947-5-1<br>3 A at 400 V AC-15 conforming to IEC 947-5-1<br>4 A at 230 V AC-15 conforming to IEC 947-5-1 |
| <b>Electrical Durability</b>                  | 200000 cycles AC-23<br>200000 cycles AC-3<br>600000 cycles AC-15<br>600000 cycles AC-21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Maximum Operating Rate</b>                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Short-Circuit Current</b>                  | 10000 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Short-Circuit Protection</b>               | 20 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>[Uimp] Rated Impulse Withstand Voltage</b> | 4 kV in isolating function<br>6 kV conforming to IEC 947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Contact Operation</b>                      | Slow-break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Positive Opening</b>                       | With                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Electrical Connection</b>                  | Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm <sup>2</sup><br>Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Mechanical Durability</b>                  | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Net Weight</b>                             | 0.245 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Environment

|                                              |                                                                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Standards</b>                             | EN/IEC 60947-3 for power circuit<br>EN/IEC 60947-5-1 for control circuit<br>CENELEC EN 50013                                  |
| <b>Product Certifications</b>                | CSA 240 V 1 hp 1 phase<br>CSA 240 V 3 hp 3 phases 2 -pole(s)<br>UL 240 V 1 hp 3 phases<br>UL 240 V 0.33 hp 1 phase 2 -pole(s) |
| <b>Protective Treatment</b>                  | TC                                                                                                                            |
| <b>Ambient Air Temperature For Operation</b> | -25...55 °C                                                                                                                   |
| <b>Ambient Air Temperature For Storage</b>   | -40...70 °C                                                                                                                   |
| <b>Shock Resistance</b>                      | 30 gn conforming to IEC 68-2-27                                                                                               |
| <b>Vibration Resistance</b>                  | 5 gn conforming to IEC 68-2-6 (f = 10...150 Hz)                                                                               |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|