

# Product data sheet

Specifications



## body for stepping switch - 3-pole - 45° - 20 A - screw mounting

K2F022NL

⚠ Discontinued on: Jan 18, 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	3P
Switching Positions	Right: 0° - 45°
Mounting Location	Front
Fixing Mode	Multifixing
Bezel Material	Plastic

### Complementary

Number Of Steps	2
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 14000 W AC-21, 400 V 3 phases conforming to IEC 947-3 17000 W AC-21, 500 - 660 V 3 phases conforming to IEC 947-3 2200 W AC-3, 230 V 3 phases conforming to IEC 947-3 2200 W AC-3, 400 V 1 phase conforming to IEC 947-3 4000 W AC-23A, 230 V 3 phases conforming to IEC 947-3 4000 W AC-3, 400 V 3 phases conforming to IEC 947-3 4000 W AC-3, 500 V 3 phases conforming to IEC 947-3 4000 W AC-3, 690 V 3 phases conforming to IEC 947-3 5500 W AC-23A, 400 V 3 phases conforming to IEC 947-3 5500 W AC-23A, 500 V 3 phases conforming to IEC 947-3 5500 W AC-23A, 690 V 3 phases conforming to IEC 947-3 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

[Ie] Rated Operational Current Ac	8 A at 400 V AC-3 3 phases conforming to IEC 947-3 10.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3 14.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3 4.7 A at 690 V AC-3 3 phases conforming to IEC 947-3 6.4 A at 690 V AC-23A 3 phases conforming to IEC 947-3 6.5 A at 500 V AC-3 3 phases conforming to IEC 947-3 8.3 A at 230 V AC-3 3 phases conforming to IEC 947-3 8.9 A at 500 V AC-23A 3 phases conforming to IEC 947-3 2 A at 500 V AC-15 conforming to IEC 947-5-1 3 A at 400 V AC-15 conforming to IEC 947-5-1 4 A at 230 V AC-15 conforming to IEC 947-5-1
Electrical Durability	200000 cycles AC-23 200000 cycles AC-3 600000 cycles AC-15 600000 cycles AC-21
Maximum Operating Rate	2.5 cyc/mn AC-21 2.5 cyc/mn AC-23 2.5 cyc/mn AC-3 8.333 cyc/mn AC-15
Short-Circuit Current	10000 A
Short-Circuit Protection	20 A cartridge fuse, type gG
[Uimp] Rated Impulse Withstand Voltage	4 kV in isolating function 6 kV conforming to IEC 947-1
Contact Operation	Slow-break
Positive Opening	With
Electrical Connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm <sup>2</sup> Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm <sup>2</sup>
Mechanical Durability	1000000 cycles
Net Weight	0.156 kg

## Environment

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

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11 cm
Package 1 Width	6.5 cm
Package 1 Length	6.5 cm
Package 1 Weight	156 g

## Contractual warranty

Warranty

18 months

## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>