

Product data sheet

Specifications



Complete cam switch, Harmony K1, K2, cam changeover switch, front mounting, plastic, 4 poles, position 0, 60degrees, 50A, 64x64mm, marked 1 0 2

K50H004UP

❗ Discontinued

❗ Discontinued on: Mar 8, 2023

Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K50
[Ith] Conventional Free Air Thermal Current	50 A
Mounting Location	Front
Fixing Mode	4 holes
Cam Switch Head Type	With front plate 64 x 64 mm
Type Of Operator	Black handle
Rotary Handle Padlocking	Without
Presentation Of Legend	With metallic, 1 - 0 - 2 black
Cam Switch Function	Changeover switch
Return	Without
Off Position	With Off position
Poles Description	4P
Switching Positions	Right: 0° - 60° Left: 0° - 300°
Ip Degree Of Protection	IP40 conforming to IEC 60529

Complementary

Switching Angle	60 °
[Ui] Rated Insulation Voltage	690 V 3)IEC 60947-1
Short-Circuit Current	5000 A
Short-Circuit Protection	63 A cartridge fuse gG
[Uimp] Rated Impulse Withstand Voltage	6 kV EN 947-1 6 kV IEC 947-1
Contact Operation	Slow-break
Positive Opening	With
Electrical Connection	Captive screw clamp terminals flexible 2 x 6 mm² Captive screw clamp terminals solid 2 x 10 mm²
Tightening Torque	17.70 lbf.in (2 N.m)

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

Switching Capacity In Ma	15000 mA DC 120 V 2 inductive 50 ms)
	15000 mA DC 180 V 3 inductive 50 ms)
	15000 mA DC 60 V 1 inductive 50 ms)
	20000 mA DC 140 V 3 inductive 50 ms)
	20000 mA DC 48 V 1 inductive 50 ms)
	20000 mA DC 95 V 2 inductive 50 ms)
	30000 mA DC 30 V 1 inductive 50 ms)
	30000 mA DC 60 V 2 inductive 50 ms)
	30000 mA DC 90 V 3 inductive 50 ms)
	3500 mA DC 110 V 1 inductive 50 ms)
	3500 mA DC 220 V 2 inductive 50 ms)
	3500 mA DC 330 V 3 inductive 50 ms)
	37000 mA DC 120 V 2 resistive 1 ms)
	37000 mA DC 180 V 3 resistive 1 ms)
	37000 mA DC 60 V 1 resistive 1 ms)
	40000 mA DC 140 V 3 resistive 1 ms)
	40000 mA DC 24 V 1 inductive 50 ms)
	40000 mA DC 48 V 1 resistive 1 ms)
	40000 mA DC 48 V 2 inductive 50 ms)
	40000 mA DC 70 V 3 inductive 50 ms)
	40000 mA DC 95 V 2 resistive 1 ms)
	50000 mA DC 24 V 1 resistive 1 ms)
	50000 mA DC 48 V 2 resistive 1 ms)
	50000 mA DC 70 V 3 resistive 1 ms)
Mechanical Durability	300000 cycles
Cad Overall Width	2.52 in (64 mm)
Cad Overall Height	2.52 in (64 mm)
Cad Overall Depth	5.43 in (138 mm)
Net Weight	1.34 lb(US) (0.61 kg)

Environment

Standards	IEC 60947-3
Product Certifications	CULus 120 V 3 hp 1 phase CULus 480 V 25 hp 3 phase CULus 240 V 7.5 hp 1 phase CULus 240 V 7.5 hp 3 phase
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)
Overvoltage Category	Class II IEC 60536 Class II NF C 20-030

Ordering and shipping details

Category	21446-9003 K CAM SWITCHES
Discount Schedule	CS1
Gtin	3389110083439
Returnability	No
Country Of Origin	AT

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.95 in (7.500 cm)
Package 1 Width	2.91 in (7.400 cm)

Package 1 Length	6.26 in (15.900 cm)
Package 1 Weight	16.12 oz (457.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	20
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	21.35 lb(US) (9.683 kg)

Contractual warranty

Warranty	18 months
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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-CO₂ 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 >](#)

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Reach Regulation		REACH Declaration
Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation		China RoHS declaration
Weee		The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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 www.P65Warnings.ca.gov

Dimensions Drawings

Dimensions

Front Mounting



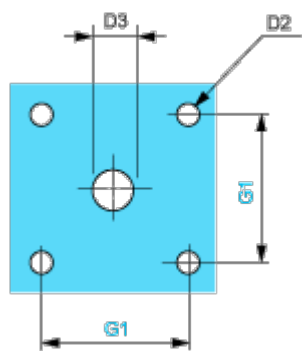
e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
98.3	3.87	60	2.36	64	2.52	4.1	0.16

Mounting and Clearance

Panel Cut-Out

Front Mounting



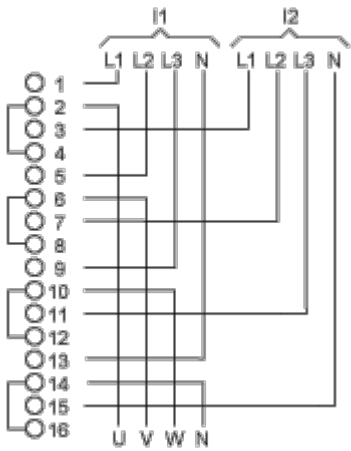
D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

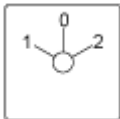
Select the number of poles according to the product characteristics



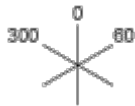
I1 Input 1

I2 Input 2

Marking



Angular Position of Switch



Switching Program

	300	0	60
(1)	X		X
(2)	X		X
(3)	X		X
(4)	X		X

- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole

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:

