

# Product data sheet

## Characteristics

# K30D004HP

Cam switch, Harmony K, front mounting, plastic, 4 poles, 90°, 32A, 64x64mm, marked OFF/ON



### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K30
[I <sub>th</sub> ] conventional free air thermal current	32 A
Product mounting	Front mounting
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 legend, OFF-ON black marking
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	4P
Switching positions	Right: 0° - 90°
IP degree of protection	IP40 conforming to IEC 60529

### Complementary

Switching angle	90 °
[U <sub>i</sub> ] rated insulation voltage	690 V (pollution degree 3) conforming to IEC 60947-1
Short-circuit current	5000 A
Short-circuit protection	50 A cartridge fuse, type gG
[U <sub>imp</sub> ] rated impulse withstand voltage	6 KV conforming to EN 947-1 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 4 mm <sup>2</sup> Captive screw clamp terminals solid, clamping capacity: 2 x 6 mm <sup>2</sup>
Tightening torque	1.2 N.m

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Switching capacity in mA	11000 mA DC at 120 V 2 contact(s) for inductive load (T = 50 ms) 11000 mA DC at 180 V 3 contact(s) for inductive load (T = 50 ms) 11000 mA DC at 60 V 1 contact(s) for resistive load (T = 50 ms) 1200 mA DC at 220 V 1 contact(s) for resistive load (T = 1 ms) 1200 mA DC at 440 V 2 contact(s) for resistive load (T = 1 ms) 1200 mA DC at 660 V 3 contact(s) for resistive load (T = 1 ms) 16000 mA DC at 140 V 3 contact(s) for inductive load (T = 50 ms) 16000 mA DC at 48 V 1 contact(s) for inductive load (T = 50 ms) 16000 mA DC at 95 V 2 contact(s) for inductive load (T = 50 ms) 23000 mA DC at 120 V 2 contact(s) for resistive load (T = 1 ms) 23000 mA DC at 180 V 3 contact(s) for resistive load (T = 1 ms) 23000 mA DC at 60 V 1 contact(s) for resistive load (T = 1 ms) 25000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms) 25000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms) 25000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 110 V 1 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 220 V 2 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 330 V 3 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms) 400 mA DC at 440 V 1 contact(s) for resistive load (T = 1 ms) 400 mA DC at 660 V 2 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 110 V 1 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 220 V 2 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 330 V 3 contact(s) for resistive load (T = 1 ms)
Mechanical durability	300000 cycles
CAD overall width	64 mm
CAD overall height	64 mm
CAD overall depth	93 mm
Net weight	0.25 kg

## Environment

Standards	IEC 60947-3
Product certifications	CULus 120 V 2 hp 1 phase CULus 240 V 5 hp 1 phase CULus 240 V 5 hp 3 phases CULus 480 V 20 hp 3 phases
Protective treatment	TC
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Electrical shock protection class	Class II conforming to IEC 60536 Class II conforming to NF C 20-030

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.4 cm
Package 1 Width	7.5 cm
Package 1 Length	12.0 cm
Package 1 Weight	234.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.588 kg

## Offer Sustainability

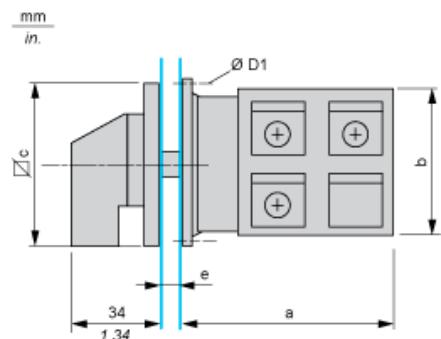
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <input checked="" type="checkbox"/> <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
RoHS exemption information	<input checked="" type="checkbox"/> Yes
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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## Dimensions

### Rear Mounting



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

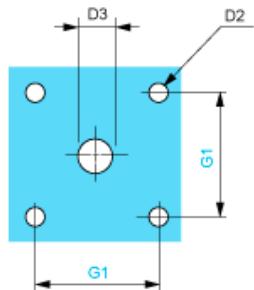
a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
53.7	2.11	58	2.28	64	2.52	4.1	0.16

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Panel Cut-Out

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Front Mounting



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

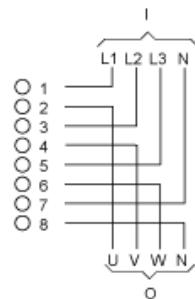
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### Link Positions (Factory Mounted)

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#### Diagram for 3 to 4-pole Switches

Select the number of poles according to the product characteristics

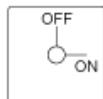


I Input  
O Output

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### Marking

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### Angular Position of Switch

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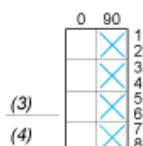
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### Switching Program

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#### Diagram for 3 to 4-pole Switches

Select the number of poles according to the product characteristics



(3) 3-pole  
(4) 4-pole

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### Convention Used for Switching Program Representation

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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:

