

Cam switches

Complete switches, 10 A

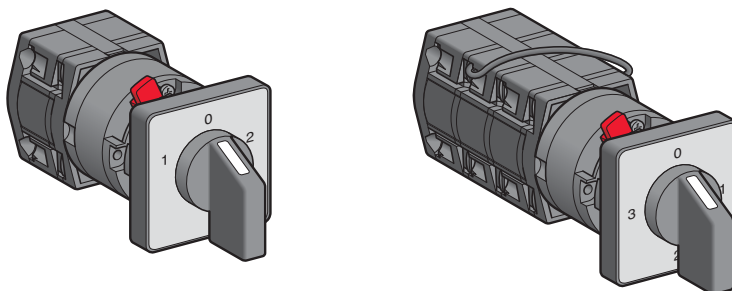
The range of K10 cam switches (10 A rating) comprises only complete switches. These products are more specifically designed for process control applications:

- compact size,
- easy to integrate with other Ø 16 and Ø 22 mm units,
- selection functions.

Complete switches

- switches
- stepping switches
- reversing switch
- changeover switches
- voltmeter switches
- ammeter switches

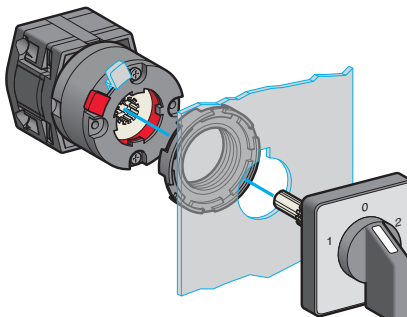
Front mounting



By Ø 16.3 or Ø 22.3 mm hole

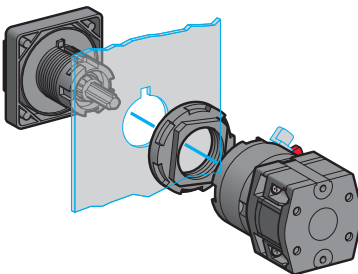
Mounting

Ø 16 or Ø 22 hole fixing

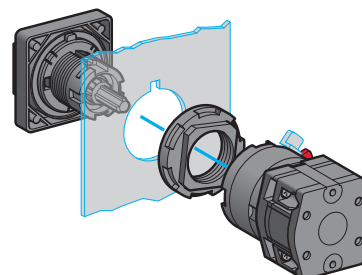


Locking/unlocking of the body-head assembly by spigot

Ø 16 hole fixing



Ø 22 hole fixing



Cam switches

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Front mounting by Ø 16 or Ø 22 mm hole

With 30 x 30 mm front plate

Environment	
Conformity to standards	EN/IEC 60947-3 EN/IEC 60947-5-1 UL 508
Product certifications	cULus
Protective treatment	Standard version: "TC"
Ambient air temperature	For operation: - 20...+ 55 °C For storage: - 40...+ 70 °C
Electric shock protection	Class II, conforming to IEC 61140
Degree of protection	IP 65 conforming to IEC 60529 (operating head) IP 20 (contact block)
Mechanical life	1 million operating cycles

Contact block characteristics				
Rated operational characteristics	AC-15, A300	–	240 V	3 A
			120 V	6 A
	AC-21A, AC-1	–	400 V	10 A
	UL/Canada Heavy Duty A300	3-phase	110/120 V	0.75 hp
			220/240 V	1 hp
		single-phase	110/120 V	0.33 hp
			220/240 V	0.75 hp
	AC-23A	3-phase	220/240 V	1.8 kW
			110/120 V	0.37 kW
		single-phase	220/240 V	0.75 kW
d.c. current le resistive load	1 contact	24 V	10 A	
		110 V	0.7 A	
		220 V	0.3 A	
Short-circuit protection	10 A cartridge fuse type gG			
Conventional thermal current (I _{th})	10 A			
Rated insulation voltage (U _i)	440 V, degree of pollution 3, conforming to IEC 60947-1			
Contact operation	Slow break			
Terminal referencing	Conforming to EN 50013			
Rated impulse withstand voltage (U _{imp})	4 kV conforming to IEC 60947-1			
Electrical reliability	Failure rate < 1 fault for 100 million operating cycles (≡ 24 V PLC inputs)			
Connection	Captive screw clamp terminals Clamping capacity: 2 x 1.5 mm ²			

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With 30 x 30 mm front plate



K10 B002ACH

Switches with 60° switching angle

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 A001ACH	0.030
		2	K10 B002ACH	0.035
		3	K10 C003ACH	0.045
		4	K10 D004ACH	0.045

Stepping switches, single-pole, with "0" position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
		2 + "0" position	K10 B002QCH	0.035
		3 + "0" position	K10 C003QCH	0.045
		4 + "0" position	K10 D004QCH	0.045



K10 D004QCH

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Front mounting by Ø 16 or Ø 22 mm hole

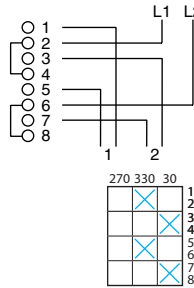
With 30 x 30 mm front plate



K10 D012QCH

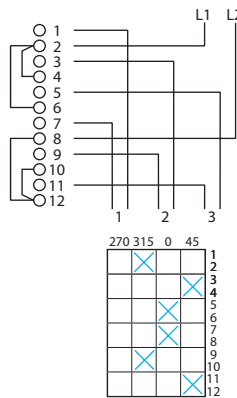
Stepping switches, 2-pole, with "0" position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
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2 + "0" position

K10 D012QCH 0.045

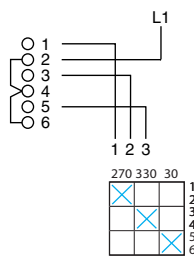


3 + "0" position

K10 F013QCH 0.055

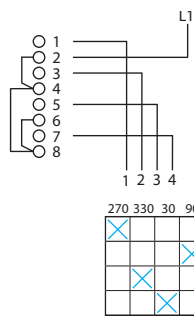


Stepping switches, single-pole, without "0" position



3

K10 C003NCH 0.045



4

K10 D004NCH 0.045



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Front mounting by Ø 16 or Ø 22 mm hole

With 30 x 30 mm front plate

Stepping switch, 2-pole, without "0" position

Wiring diagram and switching programme	Marking and switch position	Number of steps	Reference	Weight kg
		3	K10 F013NCH	0.055

Changeover switch with spring return to "0" position

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 B006TCH	0.035



K10 B006TCH

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Front mounting by Ø 16 or Ø 22 mm hole

With 30 x 30 mm front plate

550261



K10 F003UCH

Changeover switches with "0" position

Wiring diagram and switching programme	Marking and switch position	Number of poles	Reference	Weight kg
		1	K10 B001UCH	0.035
		2	K10 D002UCH	0.045
		3	K10 F003UCH	0.055
		4	K10 H004UCH	0.065

Changeover switches without "0" position

		1	K10 B011UCH	0.035
		2	K10 D012UCH	0.045
		3	K10 F013UCH	0.055
		4	K10 H014UCH	0.065

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Front mounting by Ø 16 or Ø 22 mm hole

With 30 x 30 mm front plate



K10 F027MCH

Voltmeter switches

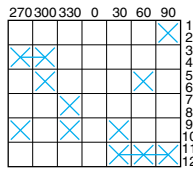
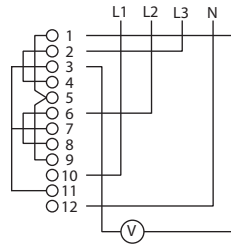
For measurements between 3 phases and between 1 phase and neutral

Wiring diagram and switching programme

Marking and switch position

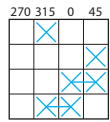
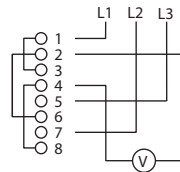
Reference

Weight



K10 F027MCH 0.055

For measurements between 3 phases, with "0" position



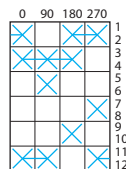
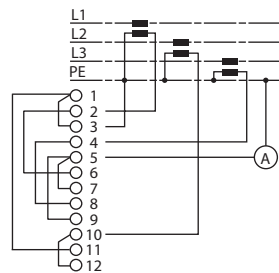
K10 D024MCH 0.045



K10 F003MCH

Ammeter switches

For 3 circuits, with "0" position



K10 F003MCH 0.055

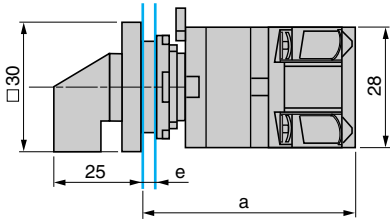
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Front mounting by $\varnothing 16$ or $\varnothing 22$ mm hole

With 30 x 30 mm front plate

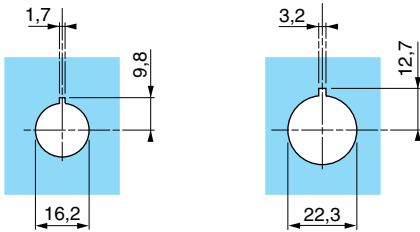
Cam switches, 10 A



	a
K10 A, B	51
K10 C, D	63
K10 F	75
K10 H	87

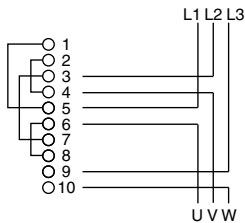
e: support panel thickness 0.5 to 5 mm.

$\varnothing 16$ and $\varnothing 22$ mm panel cut-outs

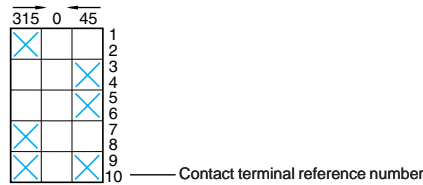


Convention used for switching programme representation

Link positions (factory mounted)



Graphic representation of switching positions and spring return to "0" position



Contact terminal reference number



Contact closed



Contact closed in 2 positions and maintained between the 2 positions



Sealed assembly for auto-maintain control



Overlapping contacts

Angular position of switch

