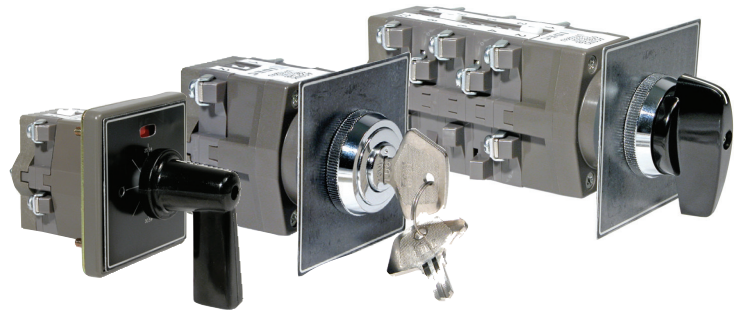


CS Series — Heavy Duty Cam Switches

Key features:

- Wide variety of heavy-duty oiltight cam switches
- Operators available up to 12 positions
- Switches made with a double circuit contact block
- Contact blocks rated 600V, 10A
- Ideal for ammeter/voltmeter applications
- Built to order — not available in subcomponents
- UL listed and CSA certified
- Type 4, 13



UL Listed
File No. E68961

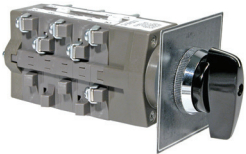


CSA Certified
File No. LR48366

Contact Ratings

Rated Thermal Current			10A			
AC	Break Current		120V/5A	240V/3A	480V/2A	600V/1A
DC	Resistive	Break Current	24V/8A	110V/3A	220V/1A	440V/0.45A
	Inductive	Break Current	24V/5A	110V/1.2A	220V/0.45A	440V/0.20A
		Make Current (A)	Rated amperage x 1.1			
Electrical Life			500,000 operations minimum (at full rated load)			
Mechanical Life			5,000,000 (at no load)			

CS Series

Series	Style	Operator		Maximum Contacts To Be Mounted	Handle Styles
		Cam Angle	Position		
ACSNO		30°	Up to 12	1 to 10 decks; Up to 20 contacts	YB, SB, PB, FB
		45°	Up to 8		
		60°	Up to 6		
		90°	Up to 4		
ACSNK		30°	Up to 12	1 to 10 decks; Up to 20 contacts	HB or standard key
		45°	Up to 8		
		60°	Up to 6		
		90°	Up to 4		
UCSQO		30°	Up to 12	1 to 10 decks; Up to 20 contacts	YB, SB, PB, FB
		45°	Up to 8		
		60°	Up to 6		
		90°	Up to 4		
UCSQM		45° Spring return	Only 3	1 to 3 decks; Up to 6 contacts	YB, SB, PB, FB



1. Do not use spring return (SR) for more than six contacts.
2. Two identical keys come with ACSNK unit. Specify "H" for handle key option.

Switches & Pilot Devices

Signaling Lights

Relays & Sockets

Timers

Contactors

Terminal Blocks

Circuit Breakers

Selector Switches (Assembled)

Assembled Selector Switches

ACSNO – **3** **6** **6** – () **SB** – **C3013**

Series

ACSNO = Standard Cam Switch (30mm)
ACS NK = Key Cam Switch (30mm)
UCSQO = Cam Switch (5 hole mounting)
UCSQM = 3 Position Spring Return Cam Switch (5 hole mounting)

Number of Levels (Decks)

1 through 10
Note: One level contains two independent contacts.*

Number of Positions

2 through 12

Angle

3 = 30° (12 position max)
4 = 45° (8 position max)
6 = 60° (6 position max)
9 = 90° (4 position max)

Contact Arrangement

1. For standard contact arrangements, use designations on page 642.
2. For custom contact arrangements, omit contact arrangement designation and complete the blank order form on page 777.

Handle

YB = Knob, Small
SB = Lever, Small
PB = Lever, Large
FB = Knob, Large
HB = Handle Key (ACS NK only)
Blank = Standard Key (ACS NK only)

Spring Return Action

Blank: Maintained
RO = Spring return from left (3 or 4 position, 45° only)
OR = Spring return from right (3 or 4 position, 45° only)
RR = Return from right and left (3 pos, 45° only)

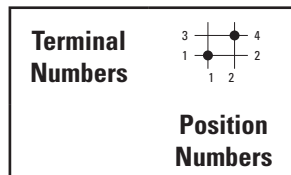
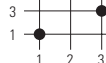
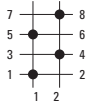
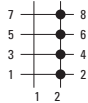
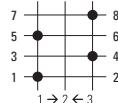
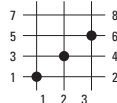
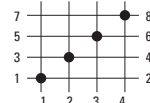
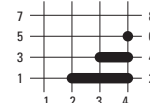
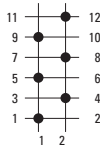
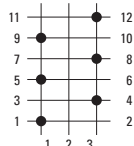
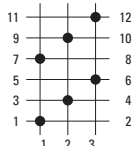
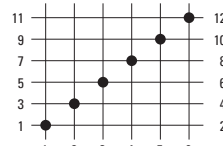
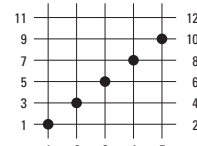
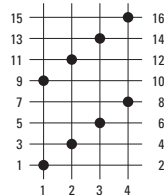
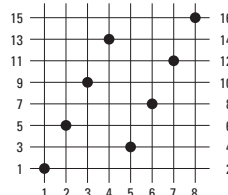
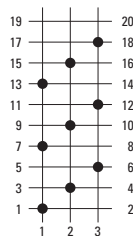
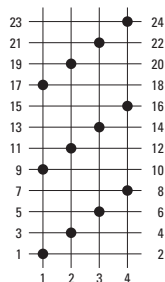
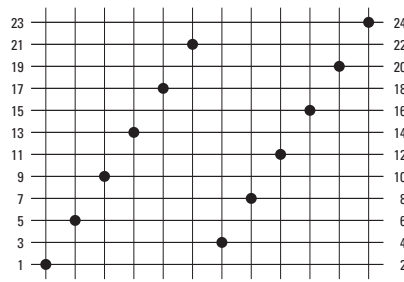
1. *Contact blocks may contain two independent contacts, (a four position switch with four independent contacts only requires two contact blocks).

2. *Caution: switches with 180° or more of rotation may require separate blocks for each contact due to cam overlapping.

3. Key retainable in every 45° position (45, 90, 180, 225, 270, 315, 360).

Contact Arrangements

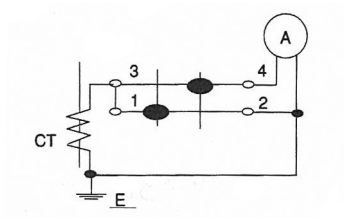
Standard Arrangements

**C-1001****C-1002****C-1014****C-1005****C-1008****C-2001****C-2002****C-2006****C-2004****C-2008****C-2009****C-2027****C-3001****C-3002****C-3005****C-3013****C-3016****C-4001****C-4002****C-5001****C-6001****C-6002**

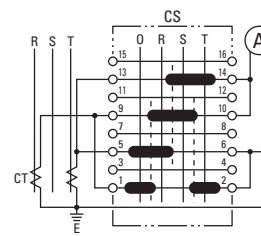
Contact Arrangements continued

Ammeter Switching

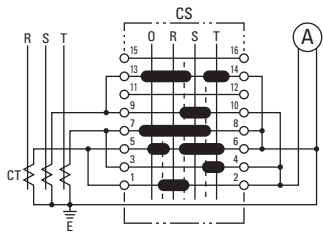
C-1012



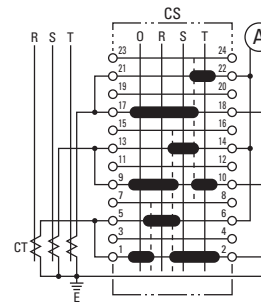
C-4007



C-4003

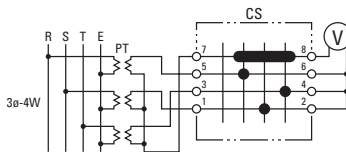


C-6003

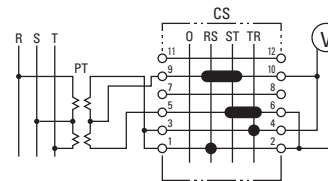


Voltmeter Switching

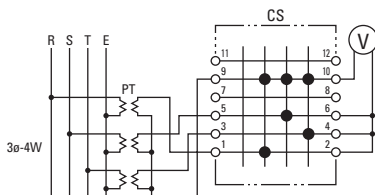
C-2022



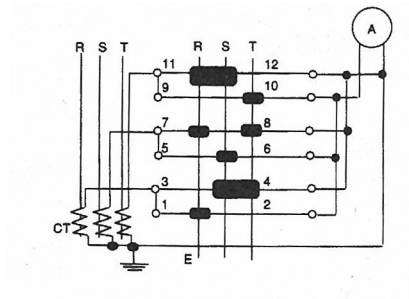
C-3008



C-3009



C-3007



Order Form (Custom Contact Arrangement)

Series

ACSNO
ACSNK
UCSQO
UCSQM

*Number of Decks

Specify Qty = 1, 2, 3, 4,
5, 6, 7, 8, 9, or 10

*Note: One Deck can drive two independent contacts.

Number of Positions

Unit	Angle	Positions
ACSNO	30° only	9, 10, 11, 12
ACSNK*	30° or 45° only	7 or 8
UCSQO	30°, 45° or 60°	5 or 6
	30°, 45°, 60°, 90°	2, 3, or 4
UCSQM	45° only	3 only

* ACSNK keys only remove at 45°.



Spring Return

Blank = Maintained

RO = Spring return from left
(3 or 4 position, 45°)

OR = Spring return from right
(3 or 4 position, 45°)

RR = Return from right and left
(3 position, 45°)

UCSQM is available in spring-return version only.

Angle

3 = 30°

4 = 45°

6 = 60°

9 = 90°

Handle

ACSNO, UCSQO, UCSQM:

YB = Knob, Small

SB = Lever, Small

PB = Lever, Large

FB = Knob, Large

ACSNK:

HB = Handle Key (option)

Blank = Standard Key



For handle styles, see page 778.

Contact Arrangement Table

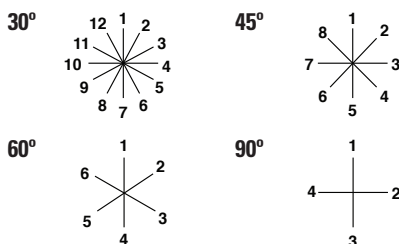
Cams	Terminal Numbers	Position											
		1	2	3	4	5	6	7	8	9	10	11	12
Deck 1	1 and 2												
	3 and 4												
Deck 2	5 and 6												
	7 and 8												
Deck 3	9 and 10												
	11 and 12												
Deck 4	13 and 14												
	15 and 16												
Deck 5	17 and 18												
	19 and 20												
Deck 6	21 and 22												
	23 and 24												
Deck 7	25 and 26												
	27 and 28												
Deck 8	29 and 30												
	31 and 32												
Deck 9	33 and 34												
	35 and 36												
Deck 10	37 and 38												
	39 and 40												



To specify non-standard arrangements (designation not on preceding pages), fill in this table using the following symbols.

X = Closed contact (break before make) **O** = Open contact **X-X** = Overlapping contact (remain on when switch is moved between two positions)

Specifying Nameplate (Optional)



Specifying Legends

Position

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____



If no engraving information is provided, a blank nameplate will be supplied.

1 _____

2 _____

3 _____

4 _____

5 _____

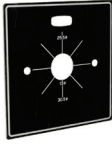
6 _____

Accessories — CS Series

Replacement Handles

					
Part Number	CSH-YB	CSH-SB	CSH-PB	CSH-FB	CSH-H2B
Dimensions	0.79"D x 1.61"H	0.79"D x 1.97"H	1.58"D x 1.97"H	1.58"D x Ø 1.97"	0.95"D x 2.28"H
Applicable Models	ACSNO, UCSQO, UCSQM				ACSNK

Replacement Nameplates

Size & Shape □ 2.52" (64mm) Black Aluminum				
	Part Number	CQ	CQM	CQN
	Applicable Models	UCSQO	UCSQM	ACSNO, ACSNK

- 
1. Extra cost for engraving, 3/16" min. letter height, Legends maximum ten characters.

2. Blank nameplates are supplied with all cam switches (they need not be ordered separately).

Wiring Clips

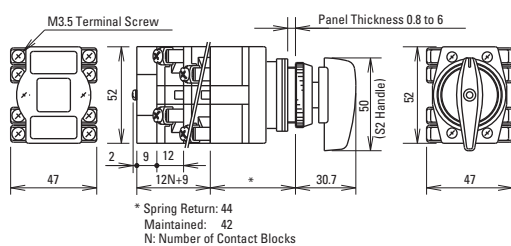
Part Number	Contact Block Jumpers
CJ-1 	Between decks
CJ-2 	Same deck

Replacement Keys

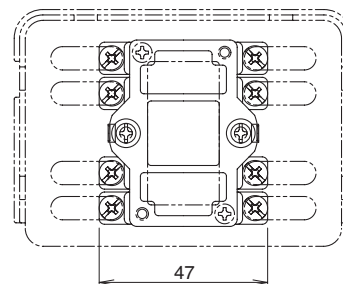
Part Number	Description
K301 	Pair of keys (#301)

Dimensions/Terminal Arrangements/Mounting Holes

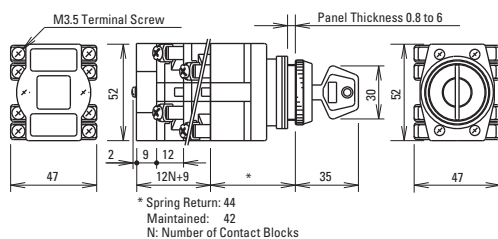
ACSNO



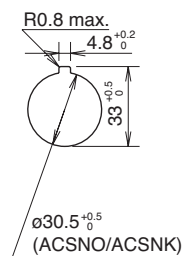
Terminal Arrangement



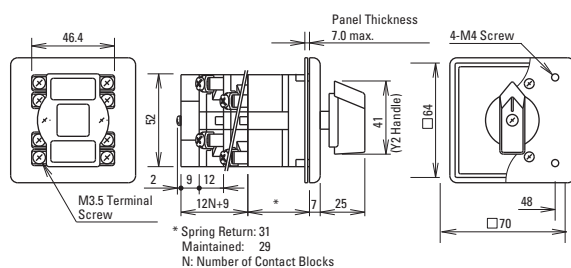
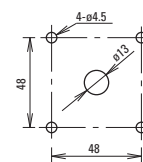
ACSNK



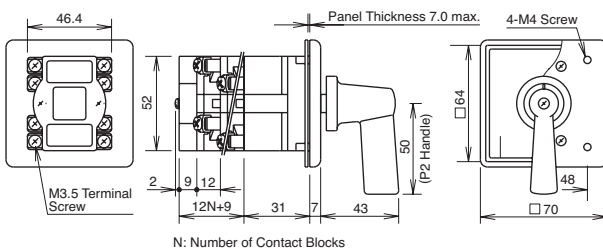
Mounting Holes



UCSQO

UCSQO
UCSQM

UCSQM



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[IDEC:](#)

[ACSNO-234-RO-SB-JLG](#) [K301](#) [ACSNO-544-P2B](#) [ACSNK-229-H2B-C2001](#) [ACSNO-434-Y2B](#) [ACSNK-229-H2B-](#)
[C2002](#) [ACSNO-536-P2B](#)