

CS Series — Heavy Duty Cam Switches

Key features of the CS Series include:

- 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
- NEMA 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/8A	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

Operator					
Series	Appearance	Cam Angle	Position	Maximum Contacts To Be Mounted	Handle Styles
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.
3. For handle styles, see page 645.

Illuminated Selector Switches (Assembled)

Assembled Illuminated 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 644.

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 (2, 3 or 4 position, 45° only)
OR = Spring return from right (2, 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).

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

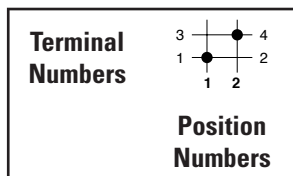
USA: 800-262-IDEC Canada: 888-317-IDEC

Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com

641

Contact Arrangements

Standard Arrangements



C-1001



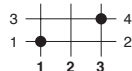
C-1002



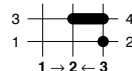
C-1014



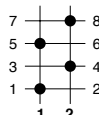
C-1005



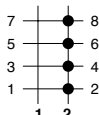
C-1008



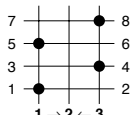
C-2001



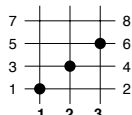
C-2002



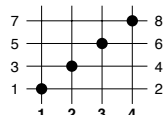
C-2006



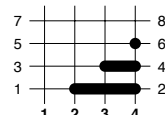
C-2004



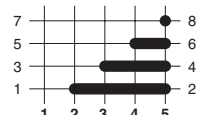
C-2008



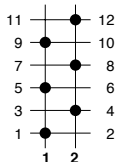
C-2009



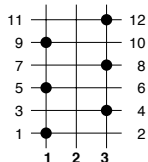
C-2027



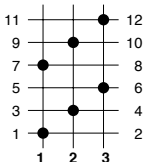
C-3001



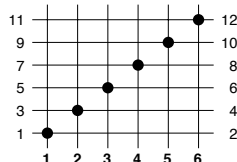
C-3002



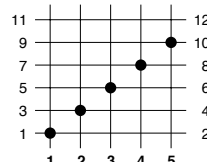
C-3005



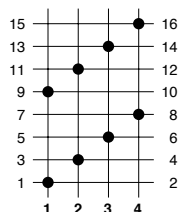
C-3013



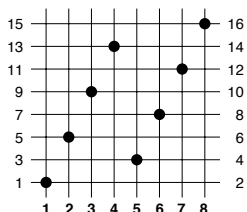
C-3016



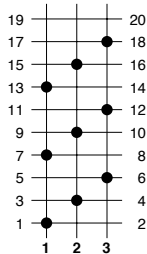
C-4001



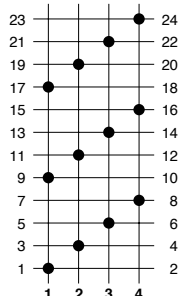
C-4002



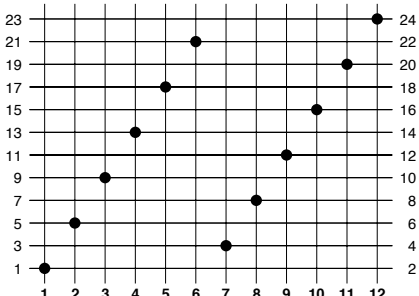
C-5001



C-6001



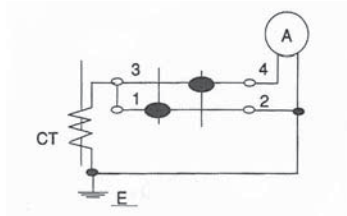
C-6002



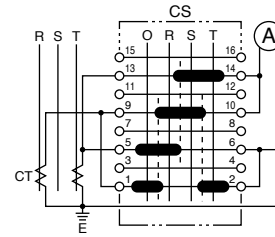
Contact Arrangements continued

Ammeter Switching

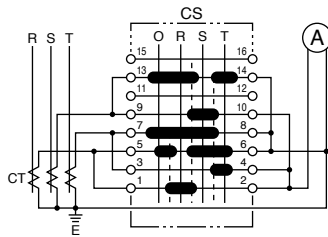
C-1012



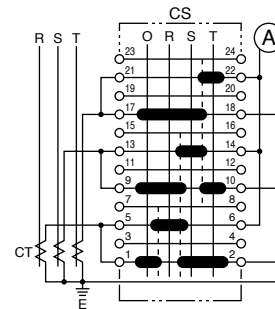
C-4007



C-4003

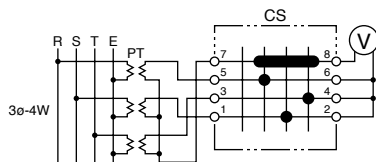


C-6003

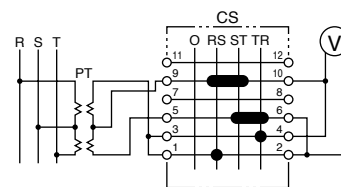


Voltmeter Switching

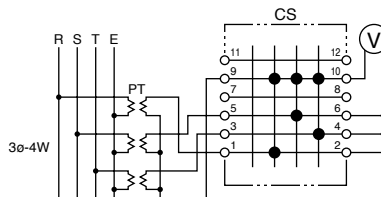
C-2022



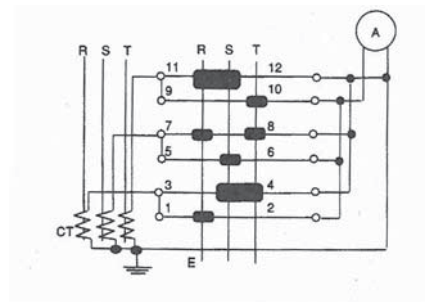
C-3008



C-3009



C-3007



Order Form (Custom Contact Arrangement)

Series

()

*Number of Decks

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

Handle

ACSNO
ACSNO
UCSQO
UCSQM

*Note: One Deck can drive two independent contacts.

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

Angle

3 = 30°
4 = 45°
6 = 60°
9 = 90°

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°)

ACSNO, UCSQO, UCSQM:

YB = Knob, Small
SB = Lever, Small
PB = Lever, Large
FB = Knob, Large

ACSNO:

HB = Handle Key (option)
Blank = Standard Key



For handle styles, see page 645.



* ACSNO keys only remove at 45°.

UCSQM is available in spring-return version only.

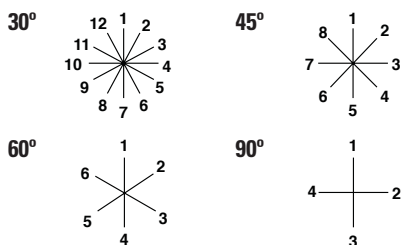
Contact Arrangement Table

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

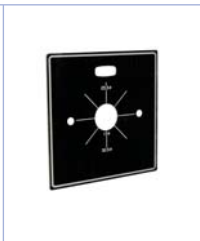
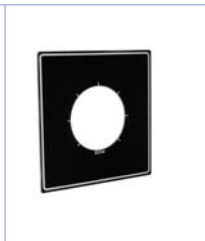
6

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	
K301 	Pair of keys (#301)

Switches & Pilot Lights

Display Lights

Relays & Sockets

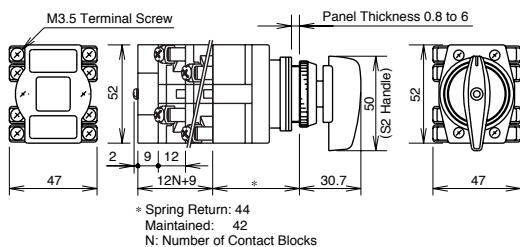
Timers

Terminal Blocks

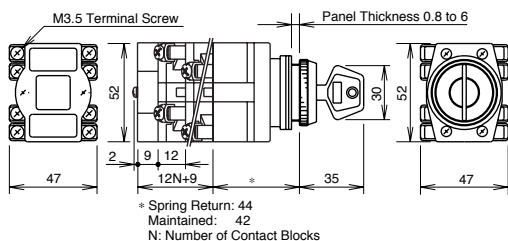
Circuit Breakers

Dimensions/Terminal Arrangements/Mounting Holes

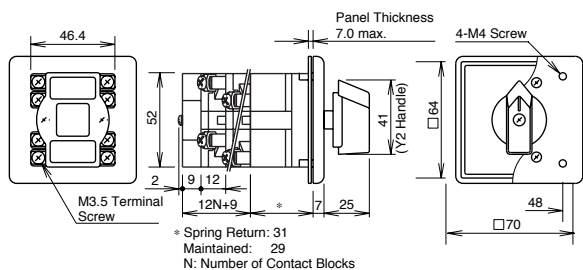
ACSNO



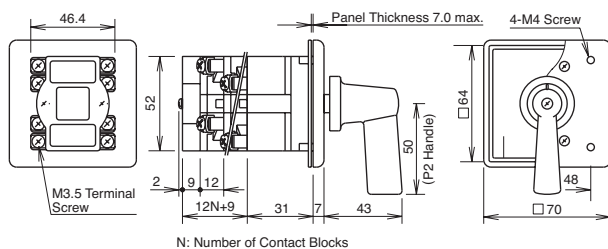
ACSNO



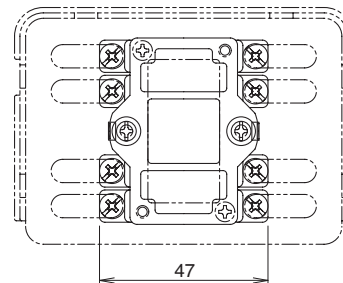
UCSQO



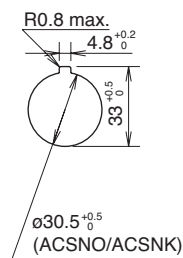
UCSQM



Terminal Arrangement



Mounting Holes



UCSQO UCSQM

