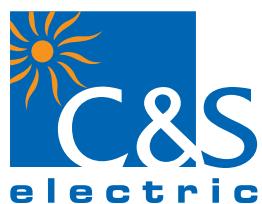




Safety Switches

In Plastic Enclosure

10A ~ 100A
3 & 4 Pole



Introduction

Safe and Reliable

Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) are designed and manufactured according to the international standard IEC/EN 60947. These are available in 3 Pole and 4 Pole configurations, both in open execution and with enclosure. These are suitable for AC 23 utilization category and compact enough to occupy very little space yet provide installation convenience. The switches have stood the test of adverse environments in all types of climate in various countries. Multiple accessories to suit application requirements also enhance the flexibility of operation.



Multi Combination and Protective Shrouds

Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) provide many standard contact combinations with flexible applications. Their mounting flexibility offers numerous matchless benefits for use in Power Distribution Boards or standalone applications. C&S always consider safety and reliability as the first parameter while product designing. The connection terminals of these switches are finger touch proof.



The most Economical Solution

Complete range is highly user friendly. Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) are designed according to power capability in order to provide suitable and most economical solutions for different projects. Usage of PCB, Freon, Asbestos and Silicon Resin are totally abstained in these switches. The contact material excludes cadmium making the switches fully eco friendly and meet all the requirements of environmental protection.



First choice of Machinery / Equipment Manufacturers

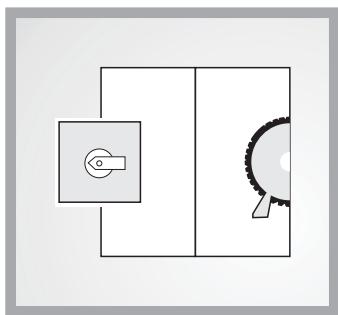
Because of being reliable and cost-effective, Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) are widely used for industrial machinery equipment. These have been used successfully in most of the industries making them the best choice of all discerning users. For safety there is provision for 3 pad locks in 'O'position.



After assembling enclosure, the wiring can be terminated with penetration mount technology rapidly and economically.

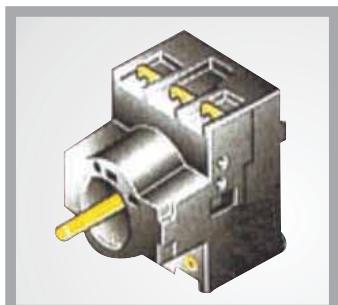
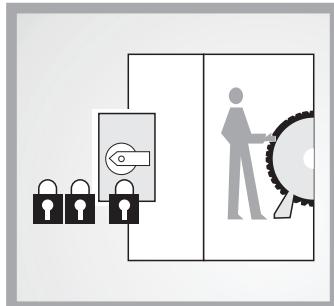
ON-OFF Switch

Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) can be used for lighting equipments, heating equipments and for motor application. In addition, these can also switch motor (AC-3) directly. These switches have established their ingenuity in breaking the stalled motor current in the event of emergency.



Maintenance Switch

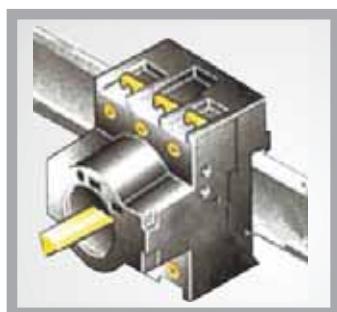
Load Isolation Switch (CSSDP) and Changeover Switch (CSCSP) can be used as maintenance switch or main switch with enclosure connecting various kinds of loads. Several pad locks can be provided in the open position. In order to ensure human safety, the open position will always be clear and cannot automatically reset.



Parallel & Level installation

Type of Installation

- Parallel and level installation
- Rear / Din Rail installation
- Surface installation



Rear / Din Rail Installation



Surface Installation

IEC/EN 60947



Enclosed Switch (with Load Isolation CSSDP type)

ON-OFF Switches with Enclosure - CSSDP 10 ~ 100A (Surface Installation)



10, 16, 20A



20, 25, 32A



32, 40, 50, 63A



63, 80, 100A

Circuit Diagram	Rated continuous current I _u A (AC21)	Reference	Pole no.of maincontact	Aux. contact	Rated power of 3 ph. motor 50~60Hz
					KW at 415V (AC23A)

Main switch without auxiliary contact

	10	ELPCSSDPR10D3	3	- -	3.0
	16	ELPCSSDPR16D3	3	- -	4.0
	20	ELPCSSDPR20DM3	3	- -	5.5
	20	ELPCSSDPR20D3	3	- -	5.5
	25	ELPCSSDPR25D3	3	- -	7.5
	32	ELPCSSDPR32DM3	3	- -	11.0
	32	ELPCSSDPR32D3	3	- -	11.0
	40/50	ELPCSSDPR40/50D3	3	- -	15.0
	63	ELPCSSDPR63DM3	3	- -	22.0
	63	ELPCSSDPR63D3	3	- -	22.0
	80	ELPCSSDPR80D3	3	- -	30.0
	100	ELPCSSDPR100D3	3	- -	37.0
	10	ELPCSSDPR10D4	4	- -	3.0
	16	ELPCSSDPR16D4	4	- -	4.0
	20	ELPCSSDPR20DM4	4	- -	5.5
	20	ELPCSSDPR20D4	4	- -	5.5
	25	ELPCSSDPR25D4	4	- -	7.5
	32	ELPCSSDPR32DM4	4	- -	11.0
	32	ELPCSSDPR32D4	4	- -	11.0
	40/50	ELPCSSDPR40/50D4	4	- -	15.0
	63	ELPCSSDPR63DM4	4	- -	22.0
	63	ELPCSSDPR63D4	4	- -	22.0
	80	ELPCSSDPR80D4	4	- -	30.0
	100	ELPCSSDPR100D4	4	- -	37.0

Note: 'DM' indicates compact frame size

Main switch with auxiliary contact

	10	ELPCSSDPR10D3CSB	3	1 1	3.0
	16	ELPCSSDPR16D3CSB	3	1 1	4.0
	20	ELPCSSDPR20D3CSB	3	1 1	5.5
	25	ELPCSSDPR25D3CSB	3	1 1	7.5
	32	ELPCSSDPR32D3CSB	3	1 1	11.0
	40/50	ELPCSSDPR40/50D3CSB	3	1 1	15.0
	63	ELPCSSDPR63D3CSB	3	1 1	22.0
	80	ELPCSSDPR80D3CSB	3	1 1	30.0
	100	ELPCSSDPR100D3CSB	3	1 1	37.0
	32	ELPCSSDPR32D3NCSB	3+N	1 1	11.0
	40	ELPCSSDPR40D3NCSB	3+N	1 1	15.0
	50/63	ELPCSSDPR50/63D3NCSB	3+N	1 1	22.0
	80	ELPCSSDPR80D3NCSB	3+N	1 1	30.0
	100	ELPCSSDPR100D3NCSB	3+N	1 1	37.0

Note : 'N' denotes Neutral Pole and 'CSB' denotes Auxiliary Contact Block.

Open Execution Switch (with Load Isolation CSSDP type)

ON-OFF Switches - CSSDP 10 ~ 100A (Parallel and Level Installation)



10, 16, 20A



20, 25, 32A



32, 40, 50, 63A



63, 80, 100A

Circuit Diagram	Rated continuous current I _u A (AC21)	Reference	Pole no.of maincontact	Aux. contact	Rated power of 3 ph. motor 50~60Hz
			Y	Y T	KW at 415V (AC23A)

Main switch without auxiliary contact

	10	CSSDP10D3	3	- -	3.0
	16	CSSDP16D3	3	- -	4.0
	20	CSSDP20DM3	3	- -	5.5
	20	CSSDP20D3	3	- -	5.5
	25	CSSDP25D3	3	- -	7.5
	32	CSSDP32DM3	3	- -	11.0
	32	CSSDP32D3	3	- -	11.0
	40/50	CSSDP40/50D3	3	- -	15.0
	63	CSSDP63DM3	3	- -	22.0
	63	CSSDP63D3	3	- -	22.0
	80	CSSDP80D3	3	- -	30.0
	100	CSSDP100D3	3	- -	37.0
	10	CSSDP10D4	4	- -	3.0
	16	CSSDP16D4	4	- -	4.0
	20	CSSDP20DM4	4	- -	5.5
	20	CSSDP20D4	4	- -	5.5
	25	CSSDP25D4	4	- -	7.5
	32	CSSDP32DM4	4	- -	11.0
	32	CSSDP32D4	4	- -	11.0
	40/50	CSSDP40/50D4	4	- -	15.0
	63	CSSDP63DM4	4	- -	22.0
	63	CSSDP63D4	4	- -	22.0
	80	CSSDP80D4	4	- -	30.0
	100	CSSDP100D4	4	- -	37.0

Note: 'DM' indicates compact frame size

Main switch with auxiliary contact

	10	CSSDP10D3CSB	3	1 1	3.0
	16	CSSDP16D3CSB	3	1 1	4.0
	20	CSSDP20D3CSB	3	1 1	5.5
	25	CSSDP25D3CSB	3	1 1	7.5
	32	CSSDP32D3CSB	3	1 1	11.0
	40/50	CSSDP40/50D3CSB	3	1 1	15.0
	63	CSSDP63D3CSB	3	1 1	22.0
	80	CSSDP80D3CSB	3	1 1	30.0
	100	CSSDP100D3CSB	3	1 1	37.0
	32	CSSDP32D3NCSB	3+N	1 1	11.0
	40	CSSDP40D3NCSB	3+N	1 1	15.0
	50/63	CSSDP50/63D3NCSB	3+N	1 1	22.0
	80	CSSDP80D3NCSB	3+N	1 1	30.0
	100	CSSDP100D3NCSB	3+N	1 1	37.0

Note: 'N' denotes Neutral Pole and 'CSB' denotes Auxiliary Contact Module.

Open Execution Switch (with Load Isolation CSSDP type)

ON-OFF Switches - CSSDP 10 ~ 100A (Rear / Din Rail Installation)



10, 16, 20A



20, 25, 32A



32, 40, 50, 63A



63, 80, 100A

Circuit Diagram	Rated continuous current I _u A (AC21)	Reference	Pole no.of maincontact	Aux. contact	Rated power of 3 ph. motor 50~60Hz
					KW at 415V (AC23A)

Main switch without auxiliary contact

	10	CSSDPR10D3	3	- -	3.0
	16	CSSDPR16D3	3	- -	4.0
	20	CSSDPR20DM3	3	- -	5.5
	20	CSSDPR20D3	3	- -	5.5
	25	CSSDPR25D3	3	- -	7.5
	32	CSSDPR32DM3	3	- -	11.0
	32	CSSDPR32D3	3	- -	11.0
	40/50	CSSDPR40/50D3	3	- -	15.0
	63	CSSDPR63DM3	3	- -	22.0
	63	CSSDPR63D3	3	- -	22.0
	80	CSSDPR80D3	3	- -	30.0
	100	CSSDPR100D3	3	- -	37.0
	10	CSSDPR10D4	4	- -	3.0
	16	CSSDPR16D4	4	- -	4.0
	20	CSSDPR20DM4	4	- -	5.5
	20	CSSDPR20D4	4	- -	5.5
	25	CSSDPR25D4	4	- -	7.5
	32	CSSDPR32DM4	4	- -	11.0
	32	CSSDPR32D4	4	- -	11.0
	40/50	CSSDPR40/50D4	4	- -	15.0
	63	CSSDPR63DM4	4	- -	22.0
	63	CSSDPR63D4	4	- -	22.0
	80	CSSDPR80D4	4	- -	30.0
	100	CSSDPR100D4	4	- -	37.0

Note: 'DM' indicates compact frame size

Main switch with auxiliary contact

	10	CSSDPR10D3CSB	3	1 1	3.0
	16	CSSDPR16D3CSB	3	1 1	4.0
	20	CSSDPR20D3CSB	3	1 1	5.5
	25	CSSDPR25D3CSB	3	1 1	7.5
	32	CSSDPR32D3CSB	3	1 1	11.0
	40/50	CSSDPR40/50D3CSB	3	1 1	15.0
	63	CSSDPR63D3CSB	3	1 1	22.0
	80	CSSDPR80D3CSB	3	1 1	30.0
	100	CSSDPR100D3CSB	3	1 1	37.0
	32	CSSDPR32D3NCSB	3+N	1 1	11.0
	40	CSSDPR40D3NCSB	3+N	1 1	15.0
	50/63	CSSDPR50/63D3NCSB	3+N	1 1	22.0
	80	CSSDPR80D3NCSB	3+N	1 1	30.0
	100	CSSDPR100D3NCSB	3+N	1 1	37.0

Note : 'N' denotes Neutral Pole and 'CSB' denotes Auxiliary Contact Module.

Changeover Switches (CSCSP type)

Changeover Switches with Enclosure - CSCSP 10 ~ 100A (Surface Installation)



10, 16, 20A



20, 32, 40A



63, 80, 100A

Circuit Diagram	Rated continuous current I _u A (AC21)	Reference	Pole no.of maincontact	Rated power of 3 ph. motor 50~60Hz
				KW at 415V (AC23A)

Main switch without auxiliary contact

	10	ELPCSCSPR10D3	3	3.0
	16	ELPCSCSPR16D3	3	4.0
	20	ELPCSCSPR20DM3	3	5.5
	20	ELPCSCSPR20D3	3	5.5
	32	ELPCSCSPR32D3	3	11.0
	40/50	ELPCSCSPR40/50D3	3	15.0
	63	ELPCSCSPR63D3	3	22.0
	80	ELPCSCSPR80D3	3	30.0
	100	ELPCSCSPR100D3	3	37.0
	10	ELPCSCSPR10D4	4	3.0
	16	ELPCSCSPR16D4	4	4.0
	20	ELPCSCSPR20DM4	4	5.0
	20	ELPCSCSPR20D4	4	7.5
	32	ELPCSCSPR32D4	4	11.0
	40/50	ELPCSCSPR40/50D4	4	15.0
	63	ELPCSCSPR63D4	4	22.0
	80	ELPCSCSPR80D4	4	30.0
	100	ELPCSCSPR100D4	4	37.0

Note: 'DM' indicates compact frame size

Open execution Changeover Switches - CSCSP 10 ~ 100A (Rear / Din Rail Installation)



10, 16, 20A



25, 32, 40A



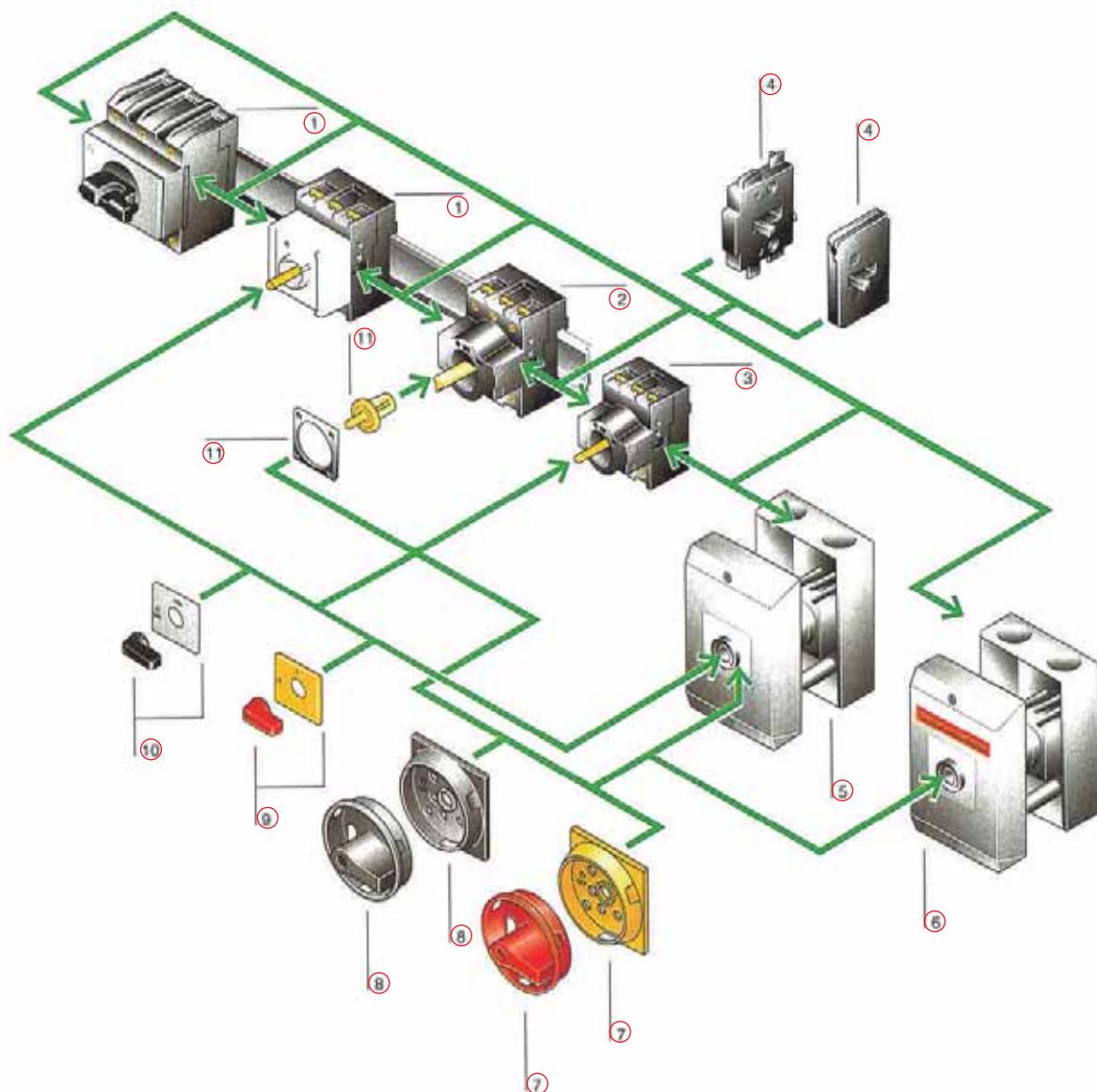
63, 80, 100A

Circuit Diagram	Rated continuous current I _u A	Reference	Pole no.of maincontact	Rated power of 3 ph. motor 50~60Hz
				KW at 415V (AC23A)

Main switch without auxiliary contact

	10/16	CSCSPR10/16D3	3	4.0
	20	CSCSPR20D3	3	5.5
	25	CSCSPR25D3	3	7.5
	32	CSCSPR32D3	3	11.0
	40	CSCSPR40D3	3	15.0
	63	CSCSPR63D3	3	22.0
	80	CSCSPR80D3	3	30.0
	100	CSCSPR100D3	3	37.0
	10/16	CSCSPR10/16D4	4	4.0
	20	CSCSPR20D4	4	5.5
	25	CSCSPR25D4	4	7.5
	32	CSCSPR32D4	4	11.0
	40	CSCSPR40D4	4	15.0
	63	CSCSPR63D4	4	22.0
	80	CSCSPR80D4	4	30.0
	100	CSCSPR100D4	4	37.0

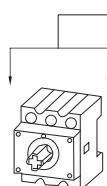
General Chart of system



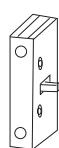
- (1) Installation in distribution cabinet
- (2) Rear/Din Rail installation
- (3) Parallel and level installation
- (4) Additive module N pole module + auxiliary contact module CSB
- (5) Surface installation type switch
- (6) Safety switch

- (7) Main switch with emergency-stop function
- (8) Main switch
- (9) Knob type handle for emergency stop
- (10) Knob handle
- (11) Extension Shaft

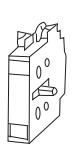
Modularized structure, additive function include



3 Pole basic unit



ON-OFF N pole module
installed on the left or right

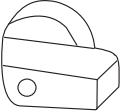


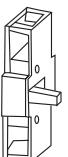
Auxiliary contact module
installed on the left or right

Accessories

Description	For Switch Type	Switch Rating (Amp.)	Reference when ordering separately
Rotary handle			
			
With red handle and yellow locking ring, it can be equipped with padlock in the position 0.	ON-OFF Switches with Enclosure -CSSDP 10 ~ 100A (Surface Installation) ON-OFF Switches - CSSDP 10 ~ 100A (Parallel and Level Installation) ON-OFF Switches - CSSDP 10 ~ 100A (Rear / Din Rail Installation)	10,16, 20 20, 25, 32 32, 40, 50, 63 63, 80, 100	CSPH20* CSPH32* CSPH63* CSPH100*

Replace * with 'B' in case of black handle and black locking ring. For example CSPH20-B.

Knob type handle		 	
With Black Knob type handle	Changover Switches with Enclosure - CSCSP 10 ~ 100A (Surface Installation) Open execution Changover Switches - CSCSP 10 ~ 100A (Rear / Din Rail Installation)	10,16, 20 20, 25, 32 40, 50, 63 80, 100	CSPTH20 CSPTH32 CSPTH63 CSPTH100

Neutral Block	 	Auxiliary Contact Block	 		
For Switch Type	Switch Rating (Amp.)	Reference when ordering separately	For Switch Type	Switch Rating (Amp.)	Reference when ordering separately
ON-OFF Switches with Enclosure - CSSDP 10~100A (Surface Installation)	32, 40, 50	CSPB-N32	ON-OFF Switches with Enclosure - CSSDP 10~100A (Surface Installation)	10,16, 20 25, 32	CSB-32-11
ON-OFF Switches - CSSDP 10~100A (Parallel and Level Installation)			ON-OFF Switches - CSSDP 10~100A (Parallel and Level Installation)	40, 50, 63	CSB-63-11
ON-OFF Switches - CSSDP 10~100A (Rear / Din Rail Installation)	63, 80, 100	CSPB-N100	ON-OFF Switches-CSSDP 10~100A (Rear / Din Rail Installation)	80, 100	CSB-100-11

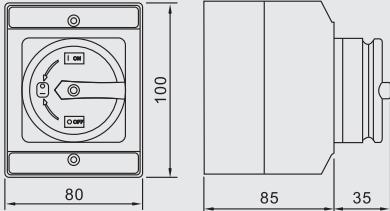
Note:

1. N pole module and Auxiliary contact module are installed on the left or right of 3-pole load isolation switch CSSDP. In ELPCSSDPR20/25D3 it is installed only on the left.
2. In Auxiliary Contact II indicates 1 NO+1NC.

Mounting Details

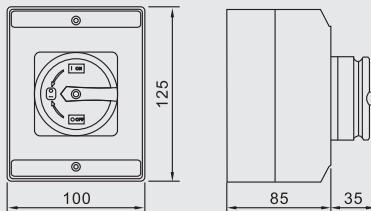
Enclosed ON-OFF Switches - CSSDP 10 ~ 100A (Surface Installation)

ELPCSSDPR10/16D3/D4
ELPCSSDPR20DM3/DM4



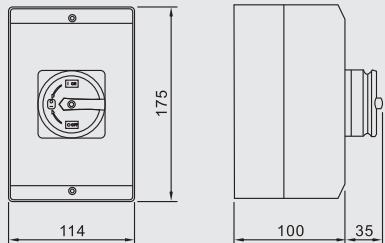
Hole size

ELPCSSDPR20/25D3/D4
ELPCSSDPR32DM3/DM4



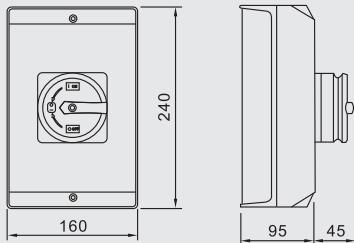
Hole size

ELPCSSDPR32/40/50D3/D4
ELPCSSDPR63DM3/DM4



Hole size

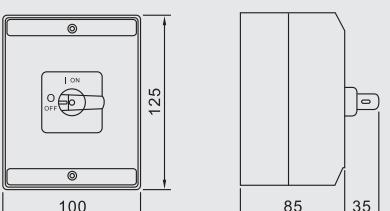
ELPCSSDPR63/80/100D3/D4



Hole size

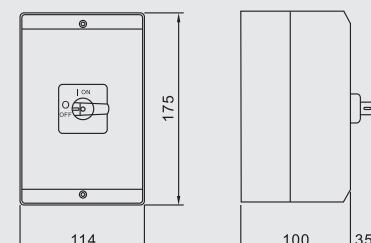
Enclosed Changeover Switches - CSCSP 10 ~ 100A (Surface Installation)

ELPCSCSPR10/16D3/D4
ELPCSCSPR20/DM3/DM4



Hole size

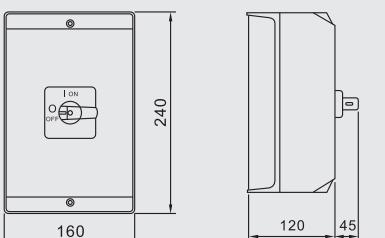
ELPCSCSPR20/32/40D3/D4



Hole size

ELPCSCSPRD63/80/100D3/D4

Hole size



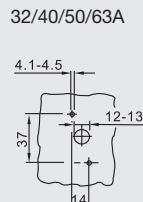
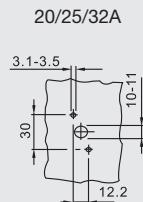
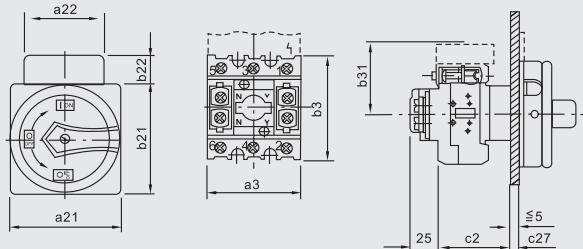
Open execution ON-OFF Switches - CSSDP 10 ~ 100A (Parallel and Level Installation)

CSSDP10/16D3/D4
CSSDP20DM3/DM4
CSSDP20/25D3/D4

CSSDP32DM3/DM4
CSSDP32/40/50D3/D4
CSSDP63DM3/DM4

CSSDP63/80/100D3/D4

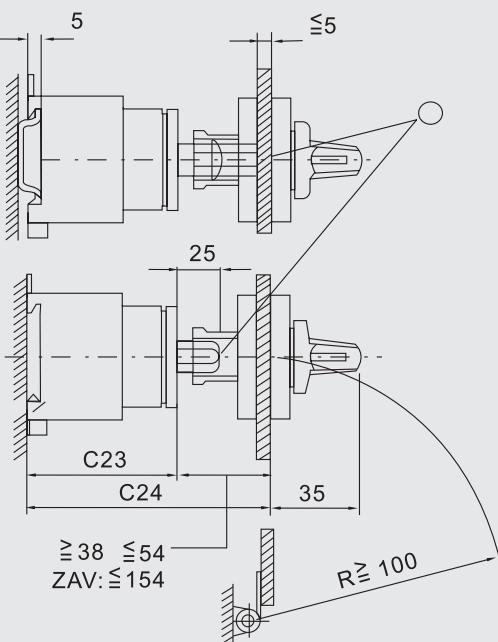
Hole size



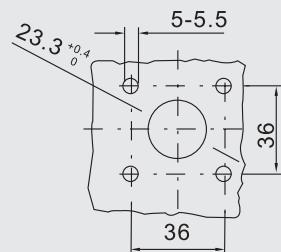
Reference	a3	a21	a22	b3	b21	b22	c2
CSSDP10/16D3/D4 CSSDP20DM3/DM4	45	67	48	45	67	17	50
CSSDP20/25D3/D4 CSSDP32DM3/DM4	37	67	48	70	67	17	63
CSSDP32/40/50D3/D4 CSSDP63DM3/DM4	50	67	48	73	67	17	65
CSSDP63/80/100D3/D4	72	88	87	83	88	27	59

Open execution Changeover Switches - CSCSP 10 ~ 100A (Rear / Din Rail Installation)

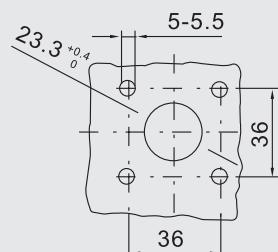
CSCSPR10/16/20/25/32/40D3/D4



Door hole size
10/16/20A



Door hole size
25/32/40A

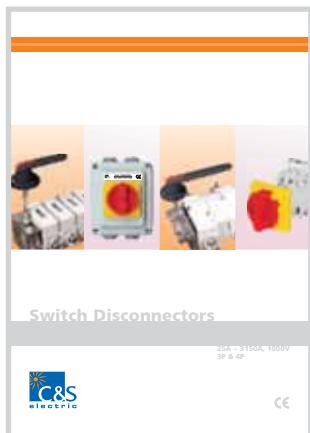
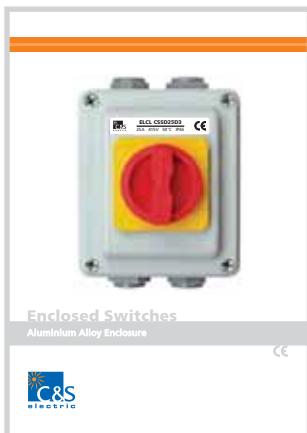


Reference	C23	C24 ≥ / ≤	C24 ≤ 4ZAV
CSCSPR10/16/20D3/D4	51	86-105	205
CSCSPR25/32/40D3/D4	74	112-128	228

Note: All dimensions are in mm.



C&S Switch Range also includes:



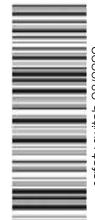
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