

INDUSTRIAL SWITCHES

- Switch Disconnecter
- Switch Disconnecter Fuse
- Bypass Switches
- Changeover Switches (with & Without Fuse)



Switch Disconnecter Fuse Unit without Fuse Links

LT Heavy Duty Switch Disconnecter Fuse Unit CSSDF 32A - 800A, 415V, 50Hz complete with Handle Assembly having Door Interlock and Padlocking arrangement

A



Rating Amps	Pole	CSSDF in Open Execution		CSSDF in Sheet Steel Enclosure		Recommended Fuse Links Type (IEC Size)	
		Reference	Reference	Reference	Reference	DIN	BS
		DIN	BS	DIN	BS		
32A	2P	CSSDF32D2	CSSDF32B2			CDFL00 (32)	CTIA-32 (A2)
	TP	CSSDF32D3	CSSDF32B3	E-CSSDF32D3	E-CSSDF32B3		
	TPN	CSSDF32D3N	CSSDF32B3N	E-CSSDF32D3N	E-CSSDF32B3N		
	4P	CSSDF32D4FN	CSSDF32B4FN	E-CSSDF32D4FN	E-CSSDF32B4FN		
63A	2P	CSSDF63D2	CSSDF63B2			CDFL00 (63)	CTIS-63 (A3)
	TP	CSSDF63D3	CSSDF63B3	E-CSSDF63D3	E-CSSDF63B3		
	TPN	CSSDF63D3N	CSSDF63B3N	E-CSSDF63D3N	E-CSSDF63B3N		
	4P	CSSDF63D4FN	CSSDF63B4FN	E-CSSDF63D4FN	E-CSSDF63B4FN		
100A	2P	CSSDF100D2	CSSDF100B2			CDFL00 (100)	CTCP-100 (A4)
	TP	CSSDF100D3	CSSDF100B3	E-CSSDF100D3	E-CSSDF100B3		
	TPN	CSSDF100D3N	CSSDF100B3N	E-CSSDF100D3N	E-CSSDF100B3N		
	4P	CSSDF100D4FN	CSSDF100B4FN	E-CSSDF100D4FN	E-CSSDF100B4FN		
125A	2P	CSSDF125D2	CSSDF125B2			CDFL00 (125)	CTCP-125 (A4)
	TP	CSSDF125D3	CSSDF125B3	E-CSSDF125D3	E-CSSDF125B3		
	TPN	CSSDF125D3N	CSSDF125B3N	E-CSSDF125D3N	E-CSSDF125B3N		
	4P	CSSDF125D4FN	CSSDF125B4FN	E-CSSDF125D4FN	E-CSSDF125B4FN		
160A	2P	CSSDF160D2	CSSDF160B2			CDFL00 (160)	CTF-160 (B2)
	TP	CSSDF160D3	CSSDF160B3	E-CSSDF160D3	E-CSSDF160B3		
	TPN	CSSDF160D3N	CSSDF160B3N	E-CSSDF160D3N	E-CSSDF160B3N		
	4P	CSSDF160D4FN	CSSDF160B4FN	E-CSSDF160D4FN	E-CSSDF160B4FN		
200A	2P	CSSDF200D2	CSSDF200B2			CDFL-1-200	CTF-200 (B2)
	TP	CSSDF200D3	CSSDF200B3	E-CSSDF200D3	E-CSSDF200B3		
	TPN	CSSDF200D3N	CSSDF200B3N	E-CSSDF200D3N	E-CSSDF200B3N		
	4P	CSSDF200D4FN	CSSDF200B4FN	E-CSSDF200D4FN	E-CSSDF200B4FN		
250A	2P	CSSDF250D2	CSSDF250B2			CDFL-1-250	CTK F-250 (B3)
	TP	CSSDF250D3	CSSDF250B3	E-CSSDF250D3	E-CSSDF250B3		
	TPN	CSSDF250D3N	CSSDF250B3N	E-CSSDF250D3N	E-CSSDF250B3N		
	4P	CSSDF250D4FN	CSSDF250B4FN	E-CSSDF250D4FN	E-CSSDF250B4FN		
315A	2P	CSSDF315D2	CSSDF315B2			CDFL-2-315	CTKF-315 (B3)
	TP	CSSDF315D3	CSSDF315B3	E-CSSDF315D3	E-CSSDF315B3		
	TPN	CSSDF315D3N	CSSDF315B3N	E-CSSDF315D3N	E-CSSDF315B3N		
	4P	CSSDF315D4FN	CSSDF315B4FN	E-CSSDF315D4FN	E-CSSDF315B4FN		
400A	2P	CSSDF400D2	CSSDF400B2			CDFL-2-400	CTMF-400 (B4)
	TP	CSSDF400D3	CSSDF400B3	E-CSSDF400D3	E-CSSDF400B3		
	TPN	CSSDF400D3N	CSSDF400B3N	E-CSSDF400D3N	E-CSSDF400B3N		
	4P	CSSDF400D4FN	CSSDF400B4FN	E-CSSDF400D4FN	E-CSSDF400B4FN		
630A	2P	CSSDF630D2	CSSDF630B2			CDFL-3-630	CTTM-630 (C2)
	TP	CSSDF630D3	CSSDF630B3	E-CSSDF630D3	E-CSSDF630B3		
	TPN	CSSDF630D3N	CSSDF630B3N	E-CSSDF630D3N	E-CSSDF630B3N		
	4P	CSSDF630D4FN	CSSDF630B4FN	E-CSSDF630D4FN	E-CSSDF630B4FN		
800A	2P	CSSDF800D2	CSSDF800B2			-	CTLM-800 (C3)
	TP	CSSDF800D3	CSSDF800B3	E-CSSDF800D3	E-CSSDF800B3		
	TPN	CSSDF800D3N	CSSDF800B3N	E-CSSDF800D3N	E-CSSDF800B3N		
	4P	CSSDF800D4FN	CSSDF800B4FN	E-CSSDF800D4FN	E-CSSDF800B4FN		

Accessories



Key Interlocks (3 Locks - 2 Keys)	
For Switch Type	Reference
CSSDF 32A - 160A	CSSDFZW-16
CSSDF 200A - 800A	CSSDFZW-5
Castle Key Locks	
CSSDF 32A - 160A	CSSDFZW-15
CSSDF 200A - 800A	CSSDFZW-4
Auxiliary Contacts	
1 NO + 1 NC CSSDF 32A - 63A for 3P	CSSDFZX 46
2 NO + 2 NC CSSDF 32A - 63A for 3P	CSSDFZX 32
1 NO + 1 NC CSSDF 32A - 63A for 2P & 4P	CSSDFZX 46B
2 NO + 2 NC CSSDF 32A - 63A for 2P & 4P	CSSDFZX 32B
1 NO + 1 NC CSSDF 100A - 160A	CSSDFZX 1
2 NO + 2 NC CSSDF 100A - 160A	CSSDFZX 16
1 NO + 1 NC CSSDF 200A - 400A	CSSDFZX 33
2 NO + 2 NC CSSDF 200A - 400A	CSSDFZX 34
1 NO + 1 NC CSSDF 630A - 800A	CSSDFZX 35
2 NO + 2 NC CSSDF 630A - 800A	CSSDFZX 36
Handle Mounting Kit (for independent mounting of O/E Switches)	
CSSDF 200A - 400A	HMK-1-2
CSSDF 630A - 800A	HMK-3-2
Spare Handle Shaft	
CSSDF 32A-160A	CSP6x165
CSSDF 200A-800A	CSP12x255
Spare Neutral Links	
For Switch Type	
CSSDF 32A-63A	CSSDF ZX 87
CSSDF 100A-160A	CSSDF ZX 86
CSSDF 200A-400A	CSSDF ZX 85
CSSDF 630A-800A	CSSDF ZX 88
Spare Handle	
CSSDF 32A-160A (Moulded)	CSWH 80 S6
CSSDF 200A-400A (Moulded)	CSWH 145 S12
CSSDF 630A-800A (Moulded)	CSWH 220 S12

Extended Terminals		
32A-63A	TPN	ET-323
	4P	ET-324
100A-160	TPN	ET-327
	4P	ET-328
200A-400A	TPN	ET-329
	4P	ET-330

Spare Poles		
Rating (Amps)	Reference	
	DIN	BS
32	CSSDF-SP-32D	CSSDF-SP-32B
63	CSSDF-SP-63D	CSSDF-SP-63B
100	CSSDF-SP-100D	CSSDF-SP-100B
125	CSSDF-SP-125D	CSSDF-SP-125B
160	CSSDF-SP-160D	CSSDF-SP-160B
200	CSSDF-SP-200D	CSSDF-SP-200B
250	CSSDF-SP-250D	CSSDF-SP-250B
315	CSSDF-SP-315D	CSSDF-SP-315B
400	CSSDF-SP-400D	CSSDF-SP-400B
630	CSSDF-SP-630D	CSSDF-SP-630B
800	--	CSSDF-SP-800B

A

Switch Disconnectors (Load Break Switches)

**# Moulded Pole Construction

LT Heavy Duty Load Break Switches CSSD 25A - 125A, 415V, 50Hz complete with Rotary Handle Assembly having door interlock and padlocking arrangement.

Handle colour: Red Knob and Yellow Base (standard) Black Base and Knob.



Rating Amps	Pole	CSSD In Open Execution	In Sheet Steel Enclosure
		Reference	Reference
25	3	CSSD25D3	E-CSSD25D3
	4	CSSD25D4	E-CSSD25D4
40	3	CSSD40D3	E-CSSD40D3
	4	CSSD40D4	E-CSSD40D4
63	3	CSSD63K3	E-CSSD63K3
	4	CSSD63D4	E-CSSD63D4
80	3	CSSD80D3	E-CSSD80D3
	4	CSSD80D4	E-CSSD80D4
100	3	CSSD100D3	E-CSSD100D3
	4	CSSD100D4	E-CSSD100D4
125	3	CSSD125D3	E-CSSD125D3
	4	CSSD125D4	E-CSSD125D4

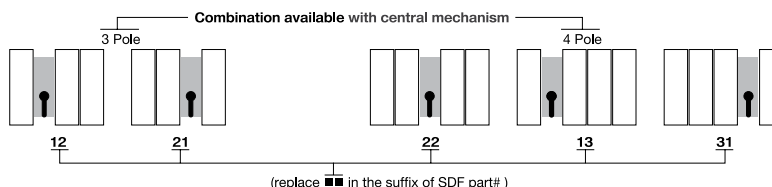
**# The above switches are available with door defeate Mechanism / Pistol grip handle.

Modular Pole construction

LT Heavy Duty Load Break Switches CSSD 125A - 3150A, 415V, 50Hz complete with Handle Assembly having door interlock and padlocking arrangement.



Rating Amps	Pole	CSSD In Open Execution	In Sheet Steel Enclosure
		Reference	Reference
125	2	CSSD125DM2	
	3	CSSD125DM3	E-CSSD125DM3
	4	CSSD125DM4	E-CSSD125DM4
160	2	CSSD160DM2	
	3	CSSD160DM3	E-CSSD160DM3
	4	CSSD160DM4	E-CSSD160DM4
200	2	CSSD200DM2	
	3	CSSD200DM3	E-CSSD200DM3
	4	CSSD200DM4	E-CSSD200DM4
250	2	CSSD250DM2	
	3	CSSD250DM3	E-CSSD250DM3
	4	CSSD250DM4	E-CSSD250DM4
315	2	CSSD315DM2	
	3	CSSD315DM3	E-CSSD315DM3
	4	CSSD315DM4	E-CSSD315DM4
400	2	CSSD400DM2	
	3	CSSD400DM3	E-CSSD400DM3
	4	CSSD400DM4	E-CSSD400DM4
630	2	CSSD630K2	
	3	CSSD630K3	E-CSSD630K3
	4	CSSD630K4	E-CSSD630K4
800	2	CSSD800K2	
	3	CSSD800K3	E-CSSD800K3
	4	CSSD800K4	E-CSSD800K4
1000	2	CSSD1000P2	
	3	CSSD1000P3	E-CSSD1000P3
	4	CSSD1000P4	E-CSSD1000P4
1250	2	CSSD1250P2	
	3	CSSD1250P3	E-CSSD1250P3
	4	CSSD1250P4	E-CSSD1250P4
1600	2	CSSD1600P2	
	3	CSSD1600P3	E-CSSD1600P3
	4	CSSD1600P4	E-CSSD1600P4
2000	3	CSSD2000P3	E-CSSD2000P3
	4	CSSD2000P4	E-CSSD2000P4
2500	3	CSSD2500P3	E-CSSD2500P3
	4	CSSD2500P4	E-CSSD2500P4
3150	3	CSSD3150P3	E-CSSD3150P3
	4	CSSD3150P4	E-CSSD3150P4



Notes: 'K' series from 1000A to 3150A in open execution is also available on special request for retrofit jobs only.

Moulded Switches



Moulded in Plastic Enclosure				
Rating Amps	Pole	Colour		Reference
		Box	Handle	
25	3	Grey	Black	EABW CSSD 25 D3
		Yellow	Red	EACL CSSD 25 D3
25	4	Grey	Black	EABW CSSD 25 D4
		Yellow	Red	EACL CSSD 25 D4
40	3	Grey	Black	EABW CSSD 40 D3
		Yellow	Red	EACL CSSD 40 D3
40	4	Grey	Black	EABW CSSD 40 D4
		Yellow	Red	EACL CSSD 40 D4
63	3	Grey	Black	EABW CSSD 63 K3
		Yellow	Red	EACL CSSD 63 K3



Moulded Switches In Aluminium Alloy Enclosure		
Rating Amps	Pole	Reference
16	3	CSSD16D3 ■
	4	CSSD16D4 ■
25	3	CSSD25D3 ■
	4	CSSD25D4 ■
30	3	CSSD30D3 ■
	4	CSSD30D4 ■
40	3	CSSD40D3 ■
	4	CSSD40D4 ■
63	3	CSSD63K3 ■
80	3	CSSD80K3 ■
100	3	CSSD100K3 ■
125	3	CSSD125K3 ■

Please replace ■ with ELCL or ELBL

ELCL - Rotary handle colour: Red Rotary Knob with Yellow base.

ELBL - Rotary handle colour: Black Rotary Knob with Grey base.



Toggle Switches (with Toggle type operating knob)		
CSSD in Open Execution		
Rating Amps	Pole	Reference
25	3	CSSD25C3
	4	CSSD25C4
40	3	CSSD40C3
	4	CSSD40C4
63	3	CSSD63C3
	4	CSSD63C4

Switch Disconnectors (Moulded construction)

Accessories

Auxiliary Contacts		
For Switch Type	Pole	Reference
1 NO+1 NC CSSD 25A-40A	3	CSSDZX 49
2 NO+2 NC CSSD 25A-40A	3	CSSDZX 50
1 NO+1 NC CSSD 25A-40A	4	CSSDZX 87
2 NO+2 NC CSSD 25A-40A	4	CSSDZX 88
1 NO+1 NC CSSD 63A	3	CSSDZX 79
2 NO+2 NC CSSD 63A	3	CSSDZX 80
1 NO+1 NC CSSD 125A	3	CSSDZX 52
2 NO+2 NC CSSD 125A	3	CSSDZX 53
1 NO+1 NC CSSD 63A-125A	4	CSSDZX 55
2 NO+2 NC CSSD 63A-125A	4	CSSDZX 56

SPARES

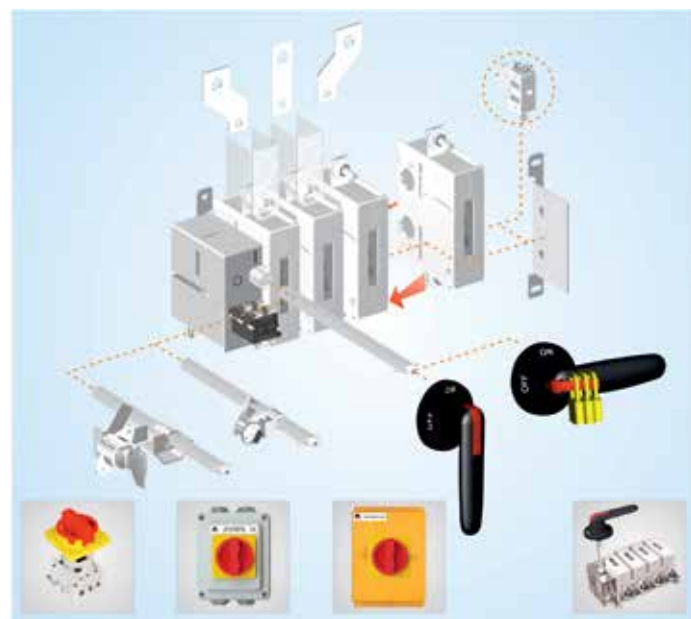
Extended Terminals		
Rating (Amps)	Pole	Reference
125	TPN	ET-325
	4	ET-326

Rotary Knob Handles	
For Switch Type	Reference
CSSD 25A-125A (Moulded-Red/Yellow)	CSSDZX108
CSSD 25A-125A (Moulded-Black)	CSSDZX111BL

Spare Handle Shaft	
For Switch Type	Reference
CSSD 25A-125A	CSP5X70

Door Mounting Kit (for mounting Switch on door instead of base plate)	
For Switch Type	Reference
CSSD 25A-63A	DMK1
CSSD 100A-125A	DMK2/3

Note: Key & Castle Locks are available on request.



Notes: 'K' series from 1000A to 3150A in open execution is also available on special request for retrofit jobs only.

Auxiliary Contacts		
For Switch Type	Pole	Reference
1 NO+1 NC CSSD 125A-160A (Compact)	3/4	CSSDZX 1
2 NO+2 NC CSSD 125A-160A (Compact)	3/4	CSSDZX 16
1 NO+1 NC CSSD 200A-315A (Compact)	3/4	CSSDZX 37
2 NO+2 NC CSSD 200A-315A (Compact)	3/4	CSSDZX 38
1 NO+1 NC CSSD 200A-800A	3/4	CSSDZX 33
2 NO+2 NC CSSD 200A-800A	3/4	CSSDZX 34
1 NO+1 NC CSSD 1000A-3150A	3/4	CSSDZX 35
2 NO+2 NC CSSD 1000A-3150A	3/4	CSSDZX 36

Key Interlocks (3 Locks - 2 Keys)	
For Switch Type	Reference
CSSD 125A-160A	CSSDZW - 16
CSSD 200A-3150A	CSSDZW - 5

Castle Key Locks	
For Switch Type	Reference
CSSD 25A-160A	CSSDZW - 15
CSSD 200A-3150A	CSSDZW - 4

Handle Mounting Kit (for independent mounting of O/E Switches)	
For Switch Type	Reference
CSSD 200A-315A (Compact Series)	HMK-2
CSSD 200A-800A	HMK-1-1
CSSD 1000A-1800A	HMK-3-1

SPARES

Switch Handles	
For Switch Type	Reference
CSSD 200A-800A (Moulded)	CSWH 145 S12
CSSD 1000A-1800A (Moulded)	CSWH 220 S12
CSSD 2500A-3150A (Moulded)	CSWH 220 S12
CSSD 2500A-3150A (Metallic)	CSDA8
CSSD 125A-160A (Compact) (Moulded)	CSWH 80 S6
CSSD 200A-315A (Compact) (Moulded)	CSWH80 S8

Switch Handle Shaft	
For Switch Type	Reference
CSSD 125A-160A (Compact)	CAP6X165
CSSD 200A-315A (Compact)	CSP8X240
CSSD 200A-1800A	CSP12X255
CSSD 2500A-3150A	CSP12X325

Switch Poles	
For Switch Type	Reference
125A (Compact)	CSSD-SP-125DM
160A (Compact)	CSSD-SP-160DM
200A (Compact)	CSSD-SP-200DM
250A (Compact)	CSSD-SP-250DM
315A (Compact)	CSSD-SP-315DM
400A	CSSD-SP400K
630A	CSSD-SP630K
800A	CSSD-SP800K
1000A	CSSD-SP1000P
1250A	CSSD-SP1250P
1600A	CSSD-SP1600P
1800A	CSSD-SP1800P

Extended Terminals for Switch Disconnectors		
For Switch Type	Pole	Reference
125-160 (Compact)	TPN	ET-327
	4P	ET-328
200-400	TPN	ET-329
	4P	ET-330

Switch Disconnectors (Load Break Switches)

- Conforms to IS/IEC 60947-3
- Range 125A-250A 415V 50Hz
- Compact Construction
- Door Interlock and Padlock facility
- Version: TP / 4P
- Positive isolation



Switch Disconnector with Padlocking				
Frame	Rating Amps	Pole	CSSD In Open Execution	In Sheet Steel Enclosure
			Reference	Reference
Fr1 (NM)	125	3	CSSD125NM3	E-CSSD125NM3
		4	CSSD125NM4	E-CSSD125NM4
Fr1 (NM)	160	3	CSSD160NM3	E-CSSD160NM3
		4	CSSD160NM4	E-CSSD160NM4
Fr1 (NM)	200	3	CSSD200NM3	E-CSSD200NM3
		4	CSSD200NM4	E-CSSD200NM4
Fr1 (NM)	250	3	CSSD250NM3	E-CSSD250NM3
		4	CSSD250NM4	E-CSSD250NM4

Switch Disconnector with Detachable Handle			
Frame	Rating Amps	Pole	CSSD In Open Execution
			Reference
Fr1 (NM)	125	3	CSSD125NM3-D
		4	CSSD125NM4-D
Fr1 (NM)	160	3	CSSD160NM3-D
		4	CSSD160NM4-D
Fr1 (NM)	200	3	CSSD200NM3-D
		4	CSSD200NM4-D
Fr1 (NM)	250	3	CSSD250NM3-D
		4	CSSD250NM4-D

Note: Rotary Handle with door defeat Mechanism / Pistol grip handle is available only for 25-63A.

On Load Changeover Switches

- Conforms to IS/IEC 60947-3
- Range: 63A–3150A, 415V, 50Hz
- Version: 4P
- Modular construction
- Positive Isolation
- Door Interlock and Padlock facility ■



In Open Execution				
	Size	Rating (Amps)	Pole	Reference
NM-Series	Frame 1	63	4	CSCS63NM4CO*
	Frame 1	100	4	CSCS100NM4CO*
	Frame 2	125	4	CSCS125NM4CO
	Frame 2	160	4	CSCS160NM4CO
	Frame 2	200	4	CSCS200NM4CO
	Frame 2	250	4	CSCS250NM4CO
DM-Series	Frame 2	315	4	CSCS315DM4CO
	Frame 2	400	4	CSCS400DM4CO
K-Series	Frame 3	630	4	CSCS630K4CO
	Frame 3	800	4	CSCS800K4CO
P-Series	Frame 4	1000	4	CSCS1000P4CO
	Frame 4	1250	4	CSCS1250P4CO
	Frame 4	1600	4	CSCS1600P4CO
	Frame 5	2000	4	CSCS2000P4CO
	Frame 5	2500	4	☒ CSCS2500P4CO
	Frame 5	3150	4	☒ CSCS3150P4CO

In Sheet Steel Enclosure				
	Size	Rating (Amps)	Pole	Reference
NM-Series	Frame 1	63	4	E-CSCS63NM4CO
	Frame 1	100	4	E-CSCS100NM4CO
	Frame 2	125	4	E-CSCS125NM4CO
	Frame 2	160	4	E-CSCS160NM4CO
	Frame 2	200	4	E-CSCS200NM4CO
	Frame 2	250	4	E-CSCS250NM4CO
DM-Series	Frame 2	315	4	E-CSCS315DM4CO
	Frame 2	400	4	E-CSCS400DM4CO
K-Series	Frame 3	630	4	E-CSCS630K4CO
	Frame 3	800	4	E-CSCS800K4CO
P-Series	Frame 4	1000	4	E-CSCS1000P4CO
	Frame 4	1250	4	E-CSCS1250P4CO
	Frame 4	1600	4	E-CSCS1600P4CO
	Frame 5	2000	4	E-CSCS2000P4CO
	Frame 5	2500	4	☒ E-CSCS2500P4CO
	Frame 5	3150	4	☒ E-CSCS3150P4CO

Notes:

'K' series from 1000A to 1600A in open execution is also available on special request for retrofit orders only.

■ Upto 800A

- Bigger size enclosure available upto 1600A

On Load Changeover Switches (Available for retrofit orders only)				
	Size	Rating (Amps)	Pole	Reference
DM-Series	Frame 1	63	4	CSCS63DM4CO
	Frame 1	80	4	CSCS80DM4CO
	Frame 1	100	4	CSCS100DM4CO
	Frame 1	125	4	CSCS125DM4CO
	Frame 1	160	4	CSCS160DM4CO
	Frame 2	200	4	CSCS200DM4CO
	Frame 2	250	4	CSCS250DM4CO

On Load Changeover Switches (Available for retrofit orders only)				
	Size	Rating (Amps)	Pole	Reference
DM-Series	Frame 1	63	4	E-CSCS63DM4CO
	Frame 1	80	4	E-CSCS80DM4CO
	Frame 1	100	4	E-CSCS100DM4CO
	Frame 1	125	4	E-CSCS125DM4CO
	Frame 1	160	4	E-CSCS160DM4CO
	Frame 2	200	4	E-CSCS200DM4CO
	Frame 2	250	4	E-CSCS250DM4CO

ACCESSORIES	
Auxiliary Contacts for NM Type Changeover	
Description	Reference
1NO +1NC for 63-100A#	CSCONM1AUX 10
1NO +1NC for 125-250A	CSCONM2AUX 10
# Factory fitted only.	
Direct handle Mounting Kit for NM Type Changeover	
Rating (Amps)	Reference
63-100A	CSCONM1HMB
125-250A	CSCONM2HMB
Switch Handle Shaft for NM Type Changeover	
63-100A	CSPNM18X80
125-250A	CSPNM28X110
Handle Sub Assembly for NM Type Changeover	
63-100A	CSCONM1 H 80 S8
125-250A	CSCONM2 H 145 S8

Spare Poles		
Rating (Amps)	Type	Reference
63	CSCS/CSBS	CSSD-SP-63DM
80	CSCS/CSBS	CSSD-SP-80DM
100	CSCS/CSBS	CSSD-SP-100DM
125	CSCS/CSBS/CSCF	CSSD-SP-125DM
160	CSCS/CSBS/CSCF	CSSD-SP-160DM
200	CSCS/CSBS/CSCF	CSSD-SP200DM
250	CSCS/CSBS/CSCF	CSSD-SP250DM
315	CSCS/CSBS/CSCF	CSSD-SP315DM
400	CSCS/CSBS/CSCF	CSCS-SP400K
630	CSCS/CSBS/CSCF	CSCS-SP630K
800	CSCS/CSBS/CSCF	CSCS-SP800K
1000	CSCS/CSBS	CSCS-SP1000P
1250	CSCS/CSBS	CSCS-SP1250P
1600	CSCS/CSBS	CSCS-SP1600P
1800	CSCS/CSBS	CSCS-SP1800P

Accessories for Changeover -Type DM/K/P

Auxiliary Contacts			
Contacts Configuration	For Switch Type	Qty./Switch	Reference
1NO+1NC	CSCS/SBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX1-U
1NO+1NC	CSCS/SBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX1-L
2NO+2NC	CSCS/SBS 63A-160A Upper CSCF 125A-160A	1	CSCSZX3-U
2NO+2NC	CSCS/SBS 63A-160A Lower CSCF 125A-160A	1	CSCSZX3-L
1NO+1NC	CSCS/BS 200A-1800A CSCF 200A-800A	2	CSCSZX2
2NO+2NC	CSCS/BS 200A-1800A CSCF 200A-800A	2	CSCSZX4

Notes : If changeovers switch is required with Auxiliary contacts, please order the same separately.

Spare Handle	
Rating (Amps)	Reference
CSCS/CSBS 63-315A/CSCF125-315A	CCOH 145 S8
CSCS/CSBS 400A-1800A/CSCF400-800A	CCOH 220 S12
CSCS 2000A-3150A (Metallic)	CSDA6

Spare Handle Shaft	
Type	Reference
CSCS 63-315A, CSBS 63-315A, CSCF125-315A	CSP8X200
CSCS 400A-1800A	CSP12X205
CSCS 2000A-3150A, CSBS 400A-1800A, CSCF 400A-1800A	CSP12X305

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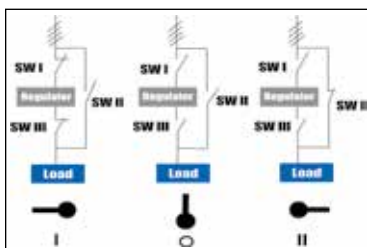
Bypass Switches

LT By Pass Switch complete with Handle Assembly having Door Interlock and Padlocking arrangement.

In Open Execution		
Rating (Amps)	Pole	Reference
63	4	CSBS63DM4
80	4	CSBS80DM4
100	4	CSBS100DM4
125	4	CSBS125DM4
160	4	CSBS160DM4
200	4	CSBS200DM4
250	4	CSBS250DM4
315	4	CSBS315DM4
400	4	CSBS400K4
630	4	CSBS630K4
800	4	CSBS800K4
1000	4	CSBS1000P4
1250	4	CSBS1250P4
1600	4	CSBS1600P4
1800	4	CSBS1800P4

In Sheet Steel Enclosure		
Rating (Amps)	Pole	Reference
63	4	E-CSBS63DM4
80	4	E-CSBS80DM4
100	4	E-CSBS100DM4
125	4	E-CSBS125DM4
160	4	E-CSBS160DM4
200	4	E-CSBS200DM4
250	4	E-CSBS250DM4
315	4	E-CSBS315DM4
400	4	E-CSBS400K4
630	4	E-CSBS630K4
800	4	E-CSBS800K4
1000	4	E-CSBS1000P4
1250	4	E-CSBS1250P4
1600	4	E-CSBS1600P4
1800	4	E-CSBS1800P4

Notes: 'K' series from 1000A to 1600A in open execution is also available on special request for retrofit jobs only.



Bypass Switch application

Table of Operation

Handle	Switch-I	Switch-II	Switch-III	Remarks
Position-I	ON	OFF	ON	Regulated Supply to Load
Position-O	OFF	OFF	OFF	No Supply, Load as well as Regulator Isolated form incoming source
Position-II	OFF	ON	OFF	Direct Supply, Regulator By-passed & Isolated

Switch Disconnecter Fuse Changeover

LT Switch Disconnecter Fuse Changeover complete with Handle Assembly having Door Interlock and Padlocking arrangement without fuses.

4 Pole in Open Execution		
Rating (Amps)	Recommended Fuse Links Type (IEC Size) BS	Reference
125	CTF-125(B2)	CSCF125B4CO
160	CTF-160(B2)	CSCF160B4CO
200	CTF-200(B2)	CSCF200B4CO
250	CTKF-250(B3)	CSCF250B4CO
315	CTKF-315(B3)	CSCF315B4CO
400	CTMF-400(B4)	CSCF400B4CO
630	CTTM-630(C2)	CSCF630B4CO
800	CTLM-800(C3)	CSCF800B4CO

4 Pole in Sheet Steel Enclosure		
Rating (Amps)	Recommended Fuse Links Type (IEC Size) BS	Reference
125	CTF-125(B2)	E-CSCF125B4CO
160	CTF-160(B2)	E-CSCF160B4CO
200	CTF-200(B2)	E-CSCF200B4CO
250	CTKF-250(B3)	E-CSCF250B4CO
315	CTKF-315(B3)	E-CSCF315B4CO
400	CTMF-400(B4)	E-CSCF400B4CO
630	CTTM-630(C2)	E-CSCF630B4CO
800	CTLM-800(C3)	E-CSCF800B4CO

Switch Disconnecter Fuse Changeover

Conventional Type (Side-by-Side)

LT Heavy Duty 4 Pole Changeover Switch Disconnecter Fuse unit comprising of two Switches, 32A - 800A, 415V, 50Hz mounted on common chassis complete with Mechanical Interlock and Handle Assembly having Door Interlock & Padlocking arrangements (without Fuses)



CSSDF in Open Execution, 4 Pole		
Rating (Amps)	Reference	
	DIN	BIS
32	CSSDF32D4CO	CSSDF32B4CO
63	CSSDF63D4CO	CSSDF63B4CO
100	CSSDF100D4CO	CSSDF100B4CO
125	CSSDF125D4CO	CSSDF125B4CO
160	CSSDF160D4CO	CSSDF160B4CO
200	CSSDF200D4CO	CSSDF200B4CO
250	CSSDF250D4CO	CSSDF250B4CO
315	CSSDF315D4CO	CSSDF315B4CO
400	CSSDF400D4CO	CSSDF400B4CO
630	CSSDF630D4CO	CSSDF630B4CO
800	-	CSSDF800B4CO

Load Break Changeover

- Conventional Type (Side-by-Side)

LT Heavy Duty 4 Pole Changeover Load Break Switch comprising of two Switches 25A - 3150A, 415V, 50Hz mounted on common chassis complete with Mechanical Interlock and Handle Assembly having Door Interlock and Padlocking arrangements.



CSSD in Open Execution, 4 Pole	
Rating (Amps)	Reference
25	CSSD25D4CO
40	CSSD40D4CO
63	CSSD63D4CO
125	CSSD125DM4CO
200	CSSD200DM4CO
250	CSSD250DM4CO
400	CSSD400K4CO
630	CSSD630K4CO
800	CSSD800K4CO
1000	CSSD1000P4CO
1250	CSSD1250P4CO
1600	CSSD1600P4CO
1800	CSSD1800P4CO
2500	CSSD2500P4CO
3150	CSSD3150P4CO

Note:

- Shorting Links/Busbars not provides with open execution in conventional type Changeover Switches.
- 'K' series from 1000A to 3150A in open execution is also available on special request for retrofit jobs only.

Off-load Changeover Switch



Rating (Amps)	Pole	Rated Voltage	Reference
16	2	250 V	CSCSOF16CO2
32	2	250 V	CSCSOF32CO2
63	2	250 V	CSCSOF63CO2
32	4	415 V	CSCSOF32CO4
63	4	415 V	CSCSOF63CO4
100	4	415 V	CSCSOF100CO4
200	4	415 V	CSCSOF200CO4
315	4	415 V	CSCSOF315CO4
400	4	415 V	CSCSOF400CO4

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Accessories - Changeover Switches (CSSDF)

Spare Handles	
For Switch Type	Reference
CSSDF 32A-160A (Moulded)	CCOH 90 S6
CSSDF 200A-400A (Moulded)	CCOH 220 S12
CSSDF 630A-800A (Metallic)	CSDA6

Operating Mechanism	
For Switch Type	Reference
CSSDF 32A-160A	CSSDFZW1
CSSDF 200A-400A	CSSDZW12/1
CSSDF 630A-800A	CSSDZW12

Accessories - Changeover Switch (CSSD)

Spare Handles	
For Switch Type	Reference
CSSD 25A-125A (Moulded)	CCOH 90 S6
CSSD 200A-800A (Moulded)	CCOH 220 S12
CSSD 1000A-3150A (Metallic)	CSDA6

Operating Mechanism	
For Switch Type	Reference
CSSD 25A - 40A	CSSDZW6
CSSD 63A - 125A	CSSDZW6/1
CSSD 200A - 800A	CSSDZW11
CSSD 1000A - 3150A	CSSDZW12

Switch Fuse Unit: Rewirable with Side Handle			
Rating (Amps)	Pole	Rated Voltage	Reference
16	SPN	240V	CSRW16P1NS
32	SPN	240V	CSRW32P1NS
16	DP	240V	CSRW16P2S
32	DP	240V	CSRW32P2S
32	TPN	415V	CSRW32P3NS
63	TPN	415V	CSRW63P3NS
100	TPN	415V	CSRW100P3NS
200	TPN	415V	CSRW200P3NS



Switch Fuse Unit: Rewirable with Front Handle			
Rating (Amps)	Pole	Rated Voltage	Reference
32	TPN	415V	CSRW32P3NF
63	TPN	415V	CSRW63P3NF
100	TPN	415V	CSRW100P3NF