



WiNbreak1

Moulded Case Circuit Breaker

- Complying to IEC 60947-2
- Unique 'Reserve Trip Assembly'
- Suitable for voltage up to 690V / Ui 1000 V AC
- Suitable for Motor loads, Capacitor switching
- 100% Ics value ensuring high performance
- Total Selectivity
- Multiple trip units offering variety of choice for the user
- Available with a 'Single Pole' variant MCCB
- Inbuilt Current Measurement & last trip history
- Complete range of accessories
- Communication*

*For communication Module please contact nearest Branch Office.



RoHS
Compliant



WiNbreak1 MCCB - Frame 'S'



- Conforms to IS/IEC 60947-2
- $I_{cs}=100\%I_{cu}$ (for 10kA & 18kA), 75% & 50% for 10kA, 75% for 25kA
- Range: 16A-125A
- Breaking Capacity: 10kA, 18kA & 25kA
- Compact Size
- Quick free mechanism
- Precise settings
- Termination possibility for unprepared cables
- Flexibility for installation as Horizontal / Vertical
- Standard packing includes insulating phase barrier and hardware

FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit 10In*

Size	Rating Range (A)	Breaking Capacity Icu at 415V AC	3 Pole - Reference	4 Pole - Reference
Frame 'S'	16, 20, 25, 32, 40, 50,	10kA	CSESK125FMU3P-*A	CSESK125FMU4P-*A
	63, 80, 100A		CSESK125FMU3P-*A	CSESK125FMU4P-*A
	125A		CSESK125FMU3P-*A	CSESK125FMU4P-*A
	16, 20, 25, 32, 40, 50,	18kA	CSESL125FMU3P-*A	CSESL125FMU4P-*A
	63, 80, 100A		CSESL125FMU3P-*A	CSESL125FMU4P-*A
	125A		CSESL125FMU3P-*A	CSESL125FMU4P-*A
	16, 20, 25, 32, 40, 50	25kA*	CSESMX125FMU3P-*A	CSESMX125FMU4P-*A
	63, 80, 100A		CSESMX125FMU3P-*A	CSESMX125FMU4P-*A
	125A		CSESMX125FMU3P-*A	CSESMX125FMU4P-*A

- NOTES :**
- While Ordering, Replace "*" by Current Rating.
 - * $I_{cs}=75\%I_{cu}$
 - For accessories please refer page No. 33
 - Frame 'S' MCCB with box type terminal is also available on request.
 - *From 63-125A



Single Pole MCCB

- Conforms to IS/IEC 60947-2
- $I_{cs}=100\%I_{cu}$
- Range: 16A-125A
- Breaking capacity: 10kA
- Standard packing includes Spreader terminals, insulating phase barrier & hardware

FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit

Size	Rating (A)	Breaking Capacity Icu at 240V AC	Reference
Frame 1	16, 20, 25, 32, 40	10kA	CSESK125FTM1P-16A
			CSESK125FTM1P-20A
			CSESK125FTM1P-25A
			CSESK125FTM1P-32A
			CSESK125FTM1P-40A
	50, 63, 80, 100, 125		CSESK125FTM1P-50A
			CSESK125FTM1P-63A
			CSESK125FTM1P-80A
			CSESK125FTM1P-100A
			CSESK125FTM1P-125A

WiNbreak1 MCCB



- Conforms to IS/IEC 60947-2
- Ics=100% Icu, 75% Icu
- Range: 16A-630A, 3 & 4 Pole
- Breaking capacity: 10kA to 55kA Max.
- Positive Isolation
- Trip free mechanism
- Neutral with 100% rated current
- Bounce free contact structure
- Wide range of Internal & External Accessories
- SS Enclosure available
- Standard packing includes insulating phase barrier and hardware

FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 1	16, 20, 25, 32, 40, 50	25kA	CSE1M125FMU3P-*	CSE1M125FMU4P-*
	16, 20, 25, 32, 40, 50	36kA	CSE1NN125FMU3P-*	CSE1NN125FMU4P-*

ATM (Thermal Magnetic) Release • Adjustable Overload 80-100% • Adjustable Short Circuit 5-10 In

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 1	63, 80, 100	25kA	CSE1M125ATM3P-*	CSE1M125ATM4P-*
	125		CSE1M125ATM3P-*	CSE1M125ATM4P-*
Frame 2	160		CSE2M250ATM3P-*	CSE2M250ATM4P-*
	200		CSE2M250ATM3P-*	CSE2M250ATM4P-*
	250		CSE2M250ATM3P-*	CSE2M250ATM4P-*
Frame 3	320		CSE3M400ATM3P-*	CSE3M400ATM4P-*
	350		CSE3M400ATM3P-*	CSE3M400ATM4P-*
	400		CSE3M400ATM3P-*	CSE3M400ATM4P-*
Frame 1	63, 80, 100	36kA	CSE1NN125ATM3P-*	CSE1NN125ATM4P-*
	125		CSE1NN125ATM3P-*	CSE1NN125ATM4P-*
Frame 2	160		CSE2NN250ATM3P-*	CSE2NN250ATM4P-*
	200		CSE2NN250ATM3P-*	CSE2NN250ATM4P-*
Frame 3	320		CSE3NN400ATM3P-*	CSE3NN400ATM4P-*
	350		CSE3NN400ATM3P-*	CSE3NN400ATM4P-*
	400		CSE3NN400ATM3P-*	CSE3NN400ATM4P-*
Frame 4	500		CSE4NN630ATM3P-500A	CSE4NN630ATM4P-500A
	630		CSE4NN630ATM3P-630A	CSE4NN630ATM4P-630A
Frame 1	63, 80, 100	50kA	CSE1S125ATM3P-*	CSE1S125ATM4P-*
	125		CSE1S125ATM3P-*	CSE1S125ATM4P-*
Frame 2	160		CSE2S250ATM3P-*	CSE2S250ATM4P-*
	200		CSE2S250ATM3P-*	CSE2S250ATM4P-*
	250		#CSE2SX250ATM3P-*	#CSE2SX250ATM4P-*
	250		CSE2S250ATM3P-*	CSE2S250ATM4P-*
	320		CSE3S400ATM3P-*	CSE3S400ATM4P-*
Frame 3	350		CSE3S400ATM3P-*	CSE3S400ATM4P-*
	400		CSE3S400ATM3P-*	CSE3S400ATM4P-*
	500		CSE4S630ATM3P-500A	CSE4S630ATM4P-500A
Frame 4	630		CSE4S630ATM3P-630A	CSE4S630ATM4P-630A

- NOTES :**
- #Icu 50kA(Ics=75% Icu)
 - While Ordering, Replace "*" by Current Rating, followed by 'A' eg., 350A

WiNbreak1 MCCB



Microprocessor Release 'MicroPro WB'

- Conforms to IS/IEC 60947-2
- Ics=100%Icu
- Range: 40A-400A, 3P & 4P
- Breaking capacity: 36kA & 50kA
- Communication*
- Trip History
- LCD: Indication of measurement and information
- Suitable for isolation
- Adjustable over load from 0.4-1.0In
- Adjustable short circuit from 2-12Ir
- Inbuilt ground fault protection available 20% to 100% of In
- Adjustable neutral overload protection available: 50% to 100% of Ir
- Adjustable current imbalance protection available: (30%-70%) of Ir
- Provision of thermal memory: ON/OFF
- View last trip information

ETM (with in-built Earth fault Protection) ● Adjustable Overload 40 - 100% ● Adjustable shortcircuit 2-12 Ir

Size	Release Range (A)	Breaking Capacity Icu at 415V AC	3 Pole - Reference	4 Pole - Reference
Frame 1	16-40	36kA	CSE1NN125ETM3P-40A	CSE1NN125ETM4P-40A
	25-63		CSE1NN125ETM3P-63A	CSE1NN125ETM4P-63A
	40-100		CSE1NN125ETM3P-100A	CSE1NN125ETM4P-100A
	50-125		CSE1NN125ETM3P-125A	CSE1NN125ETM4P-125A
Frame 2	63-160		CSE2NN250ETM3P-160A	CSE2NN250ETM4P-160A
	80-200		CSE2NN250ETM3P-200A	CSE2NN250ETM4P-200A
Frame 3	160-400		CSE3NN400ETM3P-400A	CSE3NN400ETM4P-400A

ETM (with in-built Earth fault Protection) ● Adjustable Overload 40-100% ● Adjustable shortcircuit 2-12 Ir ● Ics=100%Icu

Size	Release Range (A)	Breaking Capacity Icu at 415V AC	3 Pole - Reference	4 Pole - Reference
Frame 1	16-40	50kA	CSE1S125ETM3P-40A	CSE1S125ETM4P-40A
	25-63		CSE1S125ETM3P-63A	CSE1S125ETM4P-63A
	40-100		CSE1S125ETM3P-100A	CSE1S125ETM4P-100A
	50-125		CSE1S125ETM3P-125A	CSE1S125ETM4P-125A
Frame 2	63-160		CSE2S250ETM3P-160A	CSE2S250ETM4P-160A
	80-200		CSE2S250ETM3P-200A	CSE2S250ETM4P-200A
	100-250		CSE2S250ETM3P-250A	CSE2S250ETM4P-250A
	100-250		#CSE2SX250ETM3P-250A	#CSE2SX250ETM4P-250A
Frame 3	160-400		CSE3S400ETM3P-400A	CSE3S400ETM4P-400A

NOTE: 1. #Icu 50kA(Ics=75% Icu)

2. While ordering, Replace "" with Current rating

3. For spreader terminals reference code, please refer page no. 33

4. For 3 Pole ETM (Microprocessor) MCCB one Neutral CT will be required.

5. *Communication Module details.

WiNbreak1 MCCB

MCCB for Motor Protection

- Conforms to IS/IEC 60947-2
- $I_{cs}=100\% I_{cu}$
- Range 20A~630A
- Breaking Capacity -50kA
- Upto 50A-Fixed Magnetic setting - Upto 17In
- Adjustable Magnetic setting 6~12In for rating above 50A
- Positive Isolation
- Trip Free mechanism
- Standard packing includes phase barriers and hardware

FMTU (Fixed Magnetic) Release • MTU (Adjustable Magnetic) Release • Adjustable short circuit upto 6~12In

Size	Breaking Capacity Icu at 415V AC	Rating (A)	3 Pole - Reference
Frame-1	50kA	20	CSE1S125FMTU3P-20A
		32	CSE1S125FMTU3P-32A
		50	CSE1S125FMTU3P-50A
		63	CSE1S125MTU3P-63A
		100	CSE1S125MTU3P-100A
		125	CSE1S125MTU3P-125A
Frame-2	50kA	160	CSE2S250MTU3P-160A
		200	CSE2S250MTU3P-200A
		220	CSE2S250MTU3P-220A
		250	CSE2S250MTU3P-250A
Frame-3	50kA	320	CSE3S400MTU3P-320A
		350	CSE3S400MTU3P-350A
		400	CSE3S400MTU3P-400A
Frame-4		500	CSE4S630MTU3P-500A
		630	CSE4S630MTU3P-630A

ACCESSORIES

Suitable for use on WB1 MCCBs

MCCB	Shunt Trip (SHT)	Under Voltage Trip (UVT)	Auxiliary Switch (AX)	Alarm Switch (AL)	Combination Switch (AX+AL)
CSES	STW1-S (...V)	-	AXWS-L	ALWS-L	XLWS-L
CSE1	STW1-(...V)	UVTW1-(...V)	AXW1-*	ALW1-*	XLW1-*
CSE2				ALW1-2*	XLW1-2*
CSE3 / CSE4	STW1-3(...V)	UVTW1-3(...V)	AXW1-3*	ALW1-3*	XLW1-3*

NOTE:

1. Please replace "*" with L as MCCB Left hand side position & R as MCCB right hand position
2. Maximum Possibilities for Internal Accessories
 - a) 3 Pole, MCCB with Thermal Release, Any two accessories can be fitted at one time
 - b) 4 Pole, MCCB with Thermal Release, Any Three accessories can be fitted at one time
 - c) 3 Pole, MCCB with Microprocessor Release, Right hand seat is not available. Hence, one accessory can be fitted at one time
 - d) 4 Pole, MCCB with Microprocessor Release, Any two accessories can be fitted at one time; Right hand seat is not available
 - e) Alarm & combination switch can be fitted in left hand seat only on CSE3-4P Microprocessor Release MCCB
 - f) UVT can be fitted only in left hand seat
 - g) 3 & 4 Pole, CSES MCCB can have Shunttrip fitment only in Right Side pocket
3. UVT for CSES Fame is also available.
4. Please Replace (...) with voltage rating.

Voltage Selection UVT & Shunt

Size	AC	DC	AC / DC Common
UVT			
CSE1/CSE2	220V, 415V	24V, 48V, 110V, 220V	-
CSE3/CSE4	220V, 415V		220V
Shunt			
CSES	110V, 220V, 415V	110V, 220V	-
CSE1/CSE2	220V, 415V	24V, 48V, 110V, 220V	-
CSE3/CSE4	220V, 415V		24V, 48V, 110V

WiNbreak1 MCCB



Extended Rotary Handle

Suitable for use on WB1 MCCBs	Reference
CSES	EHW1-0T-125
CSE1	EHW1-125
CSE2	EHW1-250
CSE3 / CSE4	EHW1-400-630

Panel Door Mounted Key Lock for Extended Rotary Handle

Suitable for use on WB1 MCCBs	Reference Code
CSE1	EXTKLWB1-125AF-T1
CSE2	EXTKLWB1-250AF-T1
CSE3 / CSE4	EXTKLWB1-400AF-T1

Mechanical Interlock

Suitable for use on WB1 MCCBs	Applied between two MCCBs	
	Reference 3 Pole	Reference 4 Pole
CSE1	MIW1-125-3P	MIW1-125-4P
CSE2	MIW1-250-3P	MIW1-250-4P

Note: CSE3/CSE4 mechanical interlock is also available.

Locking Devices*

Suitable for use on MCCBs	Key Lock*	Padlocking
	Reference	Reference
CSE1	KLW1-125	PLW1-125
CSE2	KLW1-250	PLW1-250
CSE3 / CSE4	-	PLW1-400

* Factory fitted only

Spreader Terminals for WB1 MCCB

Suitable for use on MCCBs		Current Rating (A)	Reference	MOQ
CSES	3 Pole	16 , 20, 25, 32, 40, 50, 63, 80, 90, 100, 125	CSET0033	Set of 3
	4 Pole		CSET0044	Set of 4
CSE1	3 Pole	15, 20, 32, 40, 50, 63	CSET1033	Set of 3
CSE1	3 Pole	80, 100, 125	CSET1033C	Set of 3
CSE1	4 Pole	15, 20, 32, 40, 50, 63	CSET1044	Set of 4
CSE1	4 Pole	80, 100, 125	CSET1044C	Set of 4
CSE2	3 Pole	160, 200	CSET2033	Set of 3
CSE2	3 Pole	250	CSET2503-ST	Set of 3
CSE2	4 Pole	160, 200	CSET2044	Set of 4
CSE2	4 Pole	250	CSET2504-ST	Set of 4
CSE3	3 Pole	320, 350, 400	CSET3033	Set of 3
CSE3	4 Pole	320, 350, 400	CSET3044	Set of 4
CSE4	3 Pole	500, 630	CSET4033-WB1	Set of 3
CSE4	4 Pole	500, 630	CSET4044-WB1	Set of 4



SS Enclosure for WB1 MCCB

Size	Suitable for WB1 MCCBs	Reference
FrameS	CSES	CSE-ENCL-125S-3P
	CSES	CSE-ENCL-125S-4P
Frame1	CSE1	CSE-ENCL-125-3P
	CSE1	CSE-ENCL-125-4P
Frame2	CSE2	CSE-ENCL-250-3P
	CSE2	CSE-ENCL-250-4P

NOTES:

- Reference Code is for Enclosure only (without MCCB)
- For Placing an order for MCCB along with Enclosure, please apply prefix E-before MCCB Reference Code.



Winbreak1 MCCB



Description	Reference
Front Barrier - IP40	
CSES, Front Barrier, 1P (Set of 2)	CSFB1P-S
CSES, Front Barrier, 2P,3P (Set of 2)	CSFB3P-S
CSES, Front Barrier, 4P (Set of 2)	CSFB4P-S
CSE1, Front Barrier, 2P,3P (Set of 2)	CSFB3P-1
CSE2, Front Barrier, 2P,3P (Set of 2)	CSFB3P-2
CSE3/4, Front Barrier, 3P (Set of 2)	CSFB3P-3
CSE1, Front Barrier, 4P (Set of 2)	CSFB4P-1
CSE2, Front Barrier, 4P (Set of 2)	CSFB4P-2
CSE3/4, Front Barrier, 4P (Set of 2)	CSFB4P-3
Cage Clamp	
Cage Clamps for FRAME-S, WB1 MCCB (Set of 3)	CSCC0033
Cage Clamps for FRAME-S, WB1 MCCB (Set of 4)	CSCC0044
Cage Clamps for FRAME-1, WB1 MCCB (Set of 3)	CSCC1033
Cage Clamps for FRAME-1, WB1 MCCB (Set of 4)	CSCC1044
Cage Clamps for FRAME-2, WB1 MCCB (Set of 3)	CSCC2033
Cage Clamps for FRAME-2, WB1 MCCB (Set of 4)	CSCC2044

Earth Fault Relay (Built in CBCT) Suitable for 3 Phase 3 wire distribution network

Rating (Amps)	Earth Fault Relay Setting Range	Reference
32A	3.2~32A	EFR-CBCT125-AF-32
40A	4~40A	EFR-CBCT125-AF-40
63A	6.3~63A	EFR-CBCT125-AF-63
80A	8~80A	EFR-CBCT125-AF-80
100A	10~100A	EFR-CBCT125-AF-100
125A	12.5~125A	EFR-CBCT125-AF-125
200A	20~200A	EFR-CBCT250-AF-200
250A	25~250A	EFR-CBCT250-AF-250
400A	40~400A	EFR-CBCT400-AF-400
630A	63~630A	EFR-CBCT630-AF-630
800A	80~800A	EFR-CBCT800-AF-800
1000A	100~1000A	EFR-CBCT1250-AF-1000
1250A	125~1250A	EFR-CBCT1250-AF-1250

Earth Fault Relay (with NCT) Suitable for 3 Phase 4 wire distribution network

40A	4~40A	EFR125-AF-40(N)
100A	10~100A	EFR125-AF-100(N)
125A	12.5~125A	EFR125-AF-125(N)
200A	20~200A	EFR250-AF-200
250A	25~250A	EFR250-AF-250
400A	40~400A	EFR400-AF-400
630A	63~630A	EFR630-AF-630
800A	80~800A	EFR800-AF-800
1000A	100~1000A	EFR1250-AF-1000
1250A	125~1250A	EFR1250-AF-1250

NCT Winbreak1 ETM (Microprocessor) 3 Pole MCCB if ground fault facility is required

40	40/0.1A	ETMNCT40A
63	63/0.1A	ETMNCT63A
80	80/0.1A	ETMNCT80A
100	100/0.1A	ETMNCT100A
125	125/0.1A	ETMNCT125A
160	160/0.1A	ETMNCT160A
200	200/0.1A	ETMNCT200A
250	250/0.1A	ETMNCT250A
400	400/0.1A	ETMNCT400A

WiNbreak2

An Absolute solution for power distribution

C&S Electric offers innovative, intelligent, integrated and intuitive solution



Conforms to IS/IEC 60947-2

$I_{cs} = 100\% I_{cu}$

$I_{cw} = 25kA$ for 1s

Range : 800A to 1600A, 3P & 4P

Breaking capacity : 50kA, 70kA & 150kA

U_i : 1000V

U_{imp} : 8kV

N Type
(Normal)



A Type
(Ammeter)



P Type
(Power Meter)



S Type
(Supreme Meter)



WiNbreak2 MCCB (1600AF)

Features:

- LSIG Protection
- Thermal Memory
- Current, Voltage, Power, Energy, Frequency measurement
- Trip History
- Digital Display
- Fault & Event Recording
- Communication
- Harmonics
- True RMS Sensing
- ZSI
- IDMTL Setting
- Self Power
- LED for Tripping Information
- RTC Timer
- Pre Trip Alarm

MCCB with Intelligent Release - N Type

Size	Release Range (A)	Breaking Capacity @ 415VAC	3 Pole Reference	4 Pole Reference
Frame 5	400-800	50kA	CS1000NNG5800A3P	CS1000NNG5800A4P
	500-1000		CS1000NNG51000A3P	CS1000NNG51000A4P
	625-1250		CS1250NNG51250A3P	CS1250NNG51250A4P
	800-1600		CS1600NNG51600A3P	CS1600NNG51600A4P
	400-800	70kA	CS1000HNG5800A3P	CS1000HNG5800A4P
	500-1000		CS1000HNG51000A3P	CS1000HNG51000A4P
	625-1250		CS1250HNG51250A3P	CS1250HNG51250A4P
	800-1600		CS1600HNG51600A3P	CS1600HNG51600A4P

MCCB with high end release w.r.t "Intelligent release - N Type"

Release	
Intelligent release - A Type*	ADD
Intelligent release - P Type*	ADD
Intelligent release - S Type*	ADD

Note : Standard packing includes insulating phase barriers and Hardwares.

Internal Accessories

WB2 MCCBs	Shunt Trip (SHT)	Under Voltage Trip (UVT)	Auxiliary Switch (AX)	Alarm Switch (AL)	Fault Alram Switch (FAL)*
CS1000-1600	SHT5-T(...V)	UVT5-T(..V)	AX5-T	AL5-T	FAL5-T

Voltage Selection UVT & Shunt

Size	AC	DC	AC / DC Common
------	----	----	----------------

UVT

Frame 5	48V, 380~480V	24~30V, 48~60V	100~130V, 200~250V
---------	---------------	----------------	--------------------

Shunt

Frame 5	48V, 380~480V	24~30V, 48~60V	100~130V, 200~250V
---------	---------------	----------------	--------------------

WB2 MCCBs	Direct Rotary Handle	Direct Rotary Handle with Keylock	Extended Rotary Handle
CS1000-1600	DH5-S	DHK5-S	EH5-S

Mechanical Interlock

WB2 MCCBs	Applied between two MCCBs	
	3 Pole	4 Pole
	Reference	Reference
CS1000-1600	MIT53	MIT54

Padlocking Device

WB2 MCCBs	Fixed Lock	Removable Lock
	Reference	Reference
CS1000-1600	PHL5	PL5

NOTE : Above mentioned products are non stockable.

WiNbreak2 MCCB



- Conforms to IS/IEC 60947-2
- Ics = 100% Icu
- Range: 16A-1600A, 3P & 4P
- Breaking capacity: 50kA, 65kA, 70kA, 85kA & 150kA
- Positive Isolation
- Trip Free Mechanism
- Double contact structure
- Communication compatible
- No Line-load Bias
- Neutral with 100% rated current
- Tripping by pressure
- Current limiting
- Manual, Rotary or Motorized available
- Wide range of internal & external accessories
- Standard packing includes spreaders terminals, insulating phase barriers and hardware

FMU (Thermal Magnetic) Release • Adjustable Overload 80-100% • Fixed short circuit 10 In

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 1	16, 20, 25, 32, 40, 50, 63	50kA	☒ CD100NFMU*3P	☒ CD100NFMU*4P
	80, 100		CD100NFMU*3P	CD100NFMU*4P
Frame 3	300, 400	65kA	☒ CS400NFMU*3P	CS400NFMU*4P
	500, 630		*CS630NFMU*3P	CS630NFMU*4P
Frame 4	800	65kA	☒ CS800NFMU*3P	CS800NFMU*4P

ATU (Thermal Magnetic) Release • Adjustable Overload 80 - 100% • Adjustable Short circuit 5 - 10 In

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 2	125	50kA	CS160NATU*3P	☒ CS160NATU*4P
	160		☒ CS160NATU*3P	☒ CS160NATU*4P
	200		☒ CS250NATU*3P	☒ CS250NATU*4P
	250		CS250NATU*3P	CS250NATU*4P
Frame 3	300, 400	65kA	*CS400NATU*3P	*CS400NATU*4P
	500, 630		*CS630NATU*3P	*CS630NATU*4P
Frame 4	800	65kA	☒ CS800NATU*3P	CS800NATU*4P

ETS (Microprocessor based) Release • Adjustable Overload 40 - 100% • Adjustable shortcircuit 1.5 - 10 In

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 2	40	50kA	CS160NETS*3P	☒ CS160NETS*4P
	80, 160		CS160NETS*3P	☒ CS160NETS*4P
	250		CS250NETS*3P	☒ CS250NETS*4P
Frame 3	400	65kA	CS400NETS*3P	☒ CS400NETS*4P
	630		☒ CS630NETS*3P	☒ CS630NETS*4P
Frame 4	800	65kA	☒ CS800NETS*3P	CS800NETS*4P

☒ non stockable items.

ATU - *Rated Current (Amp) 300, 500 for 3 Pole & 4 Pole are non stockable items.

WiNbreak2 MCCB

ETM (Microprocessor Release with in-built Earth fault Protection)
 ● Adjustable Overload 40 - 100% ● Adjustable shortcircuit 1.5 - 10 In

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	3 Pole Reference	4 Pole Reference
Frame 3	160	65kA	☒ CS400NETM33160A3PE	CS400NETM33160A4PE
	250		CS400NETM33250A3PE	CS400NETM33250A4PE
	400		CS400NETM33400A3PE	CS400NETM33400A4PE
	630		☒ CS630NETM33630A3PE	CS630NETM33630A4PE
Frame 4	800	65kA	☒ CS800NETM43800A3PE	☒ CS800NETM43800A4PE

NOTE :

- While ordering replace "" by Current Rating
- Spreader Terminals are not included MCCBs upto 63A
- For 3 Pole ETM (Microprocessor) MCCB one Neutral CT will be required, ground fault protection is also available.
- MCCB with Ammeter, ZSI & communication feature is also available.
- MCCB for Motor Backup Protection is also available.



Accessories

Suitable for use on WB2 MCCBs	Shunt Trip (SHT)	Under Voltage Trip (UVT)	Auxiliary Switch (AX)	Alarm Switch (AL)	Fault Alarm Switch (FAL)*
CD100-CS800	ST-T(..V)	UVT-T(..V)	AX-T	AL-T	FAL-T

NOTE :

- The above accessories are common for CD100-CS800
- FAL (Fault Alarm Switch)* It can be applied to only circuit breakers with electronic trip units
- Maximum Possibilities for Internal Accessories

Voltage Selection UVT & Shunt

Size	AC	DC	AC / DC Common		
UVT					
Frame 1/2/3/4	380~440V, 440~480V	-	24V, 48V, 110~130V, 200~240VAC/ 250VDC		
Shunt					
Frame 1/2/3/4	380~500V	12V	24V, 48V, 110~130V, 200~240VAC / 250VDC		
	Accessory	CD100	CS160/ 250	CS400 / 630	CS800
Left	AX	-	1	3	3
	AL	1	1	-	-
	SHT / UVT	1	1	1	1
Right	AX	2	1	-	-
	AL	-	-	1	2
	FAL	-	1	1	1



Rotary Handle

Suitable for use on WB2 MCCBs	Direct Rotary Handle	Direct Rotary Handle with Keylock	Extended Rotary Handle
CD100	☒ DH1-S	☒ DHK1-S	EH1-S
CS160, CS250	☒ DH2-S	☒ DHK2-S	EH2-S
CS400, CS630	☒ DH3-S	☒ DHK3-S	EH3-S
CS800	☒ DH4-S	☒ DHK4-S	EH4-S

Mechanical Interlock (Used to prevent mechanically closing together)

Suitable for use on WB2 MCCBs	3 Pole Reference	4 Pole Reference
CD100	MIT13	MIT14
CS160, CS250	MIT23	MIT24
CS400, CS630	MIT33	MIT34
CS800	MIT43	MIT44



WiNbreak2 MCCB



Motor Operator - For remote "ON/OFF" operation only 43.156 [HSN Code: 8538]

Suitable for MCCB Type	Control Voltage	Reference
CD100	☒ 24V DC	MOP1(..V)
	☒ AC100~240V/DC100~220V	
CS160, CS250	☒ 24V DC	MOP2(..V)
	☒ AC110V/DC110V	
	AC230V/DC220V	
CS400, CS630	☒ 24V DC	MOP3(..V)
	☒ AC110V/DC110V	
	AC230V/DC220V	
CS800	☒ 24V DC	MOP4(..V)
	☒ AC110V/DC110V	
	AC230V/DC220V	

*Replace (....V) by require voltage.



Padlocking Device [HSN Code: 8538]

Suitable for use on WB2 MCCBs	Fixed Lock	Removable Lock
	Reference	Reference
CD100	☒ PHL 1	☒ PL 1
CS160, CS250	☒ PHL 2	☒ PL 2
CS400, CS630	☒ PHL 3	☒ PL 3
CS800	☒ PHL 4	☒ PL 4

NCT for WiNbreak2 ETM-Microprocessor (3 Pole MCCB if ground fault facility is required) [HSN Code: 8538]

Description	Reference
160/0.1A	☒ NCT-WB2-016
250/0.1A	☒ NCT-WB2-025
400/0.1A	☒ NCT-WB2-040
630/0.1A	☒ NCT-WB2-063
800/0.1A	NCT-WB2-080

Panel Door Mounted Key Lock for Extended Rotary Handle [HSN Code: 8538]

Suitable for WB2 MCCBs	Reference
CD100, CS160, CS250	☒ EXTKLWB2-250AF-T1

☒ non stockable items.

Moulded Case Circuit Breaker



WiNbreak MCCB - CS Series

- Conforms to IS/IEC 60947-2
- Range: 15A-400A, 2, 3 & 4 Pole
- Breaking capacity: 10kA, 18kA & 25kA
- Positive Isolation
- Trip free mechanism
- SS Enclosure available
- Standard packing includes Spreader terminals, Insulating phase barriers and Hardwares.

FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit [HSN Code: 8536]

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	3 Pole Reference	4 Pole Reference
Frame 1	10, 16, 20, 25, 30, 32, 40, 50, 60, 63□	10kA	☒CS2A2c*	CS2A3c*	CS2A4c*
	75		CS2A2c*	CS2A3c*	☒CS2A4c*
	80		CS2A2c*	☒CS2A3c*	CS2A4c*
	100		CS2A2c*	CS2A3c*	CS2A4c*
	125		-	CS2A3c*	CS2A4c*
Frame 2	16, 20, 25, 30, 32, 40, 50, 60, 63	25kA	CS2B2c*	CS2B3c*	CS2B4c*
	75, 80, 100		CS2B2c*	CS2B3c*	CS2B4c*
Frame 3	125, 140, 160#	18kA	-	*CS3A3c*	CS3A4c*
	200		CS3A2*	CS3A3c*	CS3A4c*
	250		☒CS3A2*	☒CS3A3c*	CS3A4c*
	125, 140, 160#	25kA	-	CS3B3c*	CS3B4c*
	200		☒CS3B2*	CS3B3c*	☒CS3B4c*
	250		CS3B2*	☒CS3B3c*	☒CS3B4c*

NOTES : 1. While ordering replace "*" by current rating. 2. #150A & 175A also available on request.
3. □ Upto 63A Spreader Terminals are not included.

SS Enclosure for WB MCCB [HSN Code: 8538]

Size	Suitable for use on MCCBs	Reference* 3 Pole	Reference* 4 Pole
Frame 1	CS2A	☒CS-CNM0100020	☒CS-CNM0100020
Frame 2	CS2B	CS-CNM0100021	CS-CNM0100021
Frame 3	CS3A, CS3B	CS-CNM0100021	CS-CNM0100021

NOTES:

- *Reference code is for Enclosure only (without MCCB)
- For placing an order for MCCB along with Enclosure, please apply Prefix **E-** before MCCB Reference Code.

ACCESSORIES [HSN Code: 8538]

Suitable for use on MCCBs	Shunt Trip (SHT)	Auxiliary Switch (AX)	Alarm Switch (AL)	Direct Rotary Handle	Extended Rotary Handle
CS2A..c	ST-A(..V)	ASW-A(*)	ALSW-A(*)	D-35S	CSE-35S
CS2B..c	ST-B(..V)	ASW-B(*)	ALSW-B(*)	D-45S	CSE-45S
CS3A / CS3B..c	ST-C(..V)	ASW-C(*)	ALSW-C(*)	D-55S	CSE-55

NOTES:

- *Please read R as MCCB left hand side position & T as right hand position
- For Frame1, Frame 2 & Frame3 shunt trip is available in 12VAC/DC, 24VAC/DC, 48VAC/DC, 110VAC/DC, 220VAC/DC, 415VAC (Replace ST-A(..V) , ST-B(..V) and ST-C(..V) by required voltage)
- For Frame4 shunt trip is available in 24-48VAC/DC, 100-220VDC, 100-240VAC, 380-550VAC/DC (Replace ST-6A (...V) by required voltage)
- Rotary Handle for 2 Pole, Frame1 & Frame2 is not available.
- Maximum possibilities for internal accessories

Frame1, Frame2 & Frame3:

Left hand seat - AX or AL

Right hand seat - AX or AL or SHT

Frame 4:

Left hand seat - 2AX, 2AL and SHT

Right hand seat - 2AX, 2AL and SHT

☒non stockable items.

WiNbreak MCCB - CSC Series

- Conforms to IS/IEC 60947-2
- Ics=100%Icu
- Range: 15A-1200A, 2, 3 & 4 Pole
- Breaking capacity: 18kA, 26kA, 37kA, 50kA, 65kA & 85kA
- Positive Isolation
- Trip free mechanism
- Wide range of Internal & External Accessories
- SS Enclosure available
- Standard packing includes insulating phase barriers and hardware



FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit [HSN Code: 8536]

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	3 Pole Reference	4 Pole Reference
Frame 1	15, 20, 30, 40, 50	18kA	CSC1S2*	-	-
	60, 75, 100		CSC2N2*	-	-
Frame 3	150, 175	26kA	CSC4N2*	-	-
	200		CSC4N2*	-	-
	250		CSC4N2*	-	-
Frame 2	15, 20, 30, 40, 50, 60	37kA	☒CSC3S2*	-	-
	75, 100		☒CSC3S2*	-	-
	125		CSC3S2*	-	-
Frame 5	500, 630	65kA	-	CSC6N3*	CSC6N4*
	700, 800		-	CSC6N3*	☒CSC6N4*
Frame 4	300◆	65kA	-	CSC5H3*	☒CSC5H4*
	350, 400◆		-	☒CSC5H3*	☒CSC5H4*
Frame 5	500, 630	65kA	-	☒CSC6S3*	☒CSC6S4*
	700, 800		-	CSC6S3*	CSC6S4*
Frame 4	300◆	85kA	-	☒CSC5L3*	CSC5L4*
	350, 400◆		-	CSC5L3*	☒CSC5L4*
Frame 5	500, 630	85kA	-	CSC6L3*	☒CSC6L4*
	700, 800		-	CSC6L3*	CSC6L4*

FTM (Thermal Magnetic) Release • Fixed Overload • Fixed short circuit • Ics=50%Icu [HSN Code: 8536]

Size	Rated Current (Amps)	Breaking capacity Icu at 415V AC	2 Pole Reference	3 Pole Reference	4 Pole Reference
Frame 6	1000◆	65kA	-	CSC7S3*	☒CSC7S4*
	1200◆		-	CSC8S3*	CSC8S4*
Frame 6	1000◆	85kA	-	CSC7L3*	CSC7L4*
	1200◆		-	CSC8L3*	CSC8L4*

- NOTES :**
- While Ordering, Replace "*" by Current rating.
 - ◆Spreader Terminals are included as standard packing.
 - For Spreader Terminals reference, please refer page 43.

☒ non stockable items.

WiNbreak MCCB - CSC Series

Accessories [HSN Code: 8538]

Suitable for use on WB-CSC MCCBs	Shunt Trip (SHT)	Under Voltage Trip (UVT)	Auxiliary Switch (AX)	Alarm Switch (AL)	Combination Switch (AX + AL)
CSC1, CSC2, CSC3, CSC4	STC(...V)	UVTC-(...V)	AXWC-(*)	ALWC-(*)	XLC-(*)
CSC5, CSC6	ST-6A(...V)	UVT-6A(...V)	ASW-6A	ALSW-6A	-
CSC7, CSC8	ST-7A(...V)	UVT-7A(...V)	ASW-7A	ALSW-7A	-



Rotary Handle [HSN Code: 8538]

Suitable for use on WB-CSC MCCBs	Direct Rotary Handle	Direct Rotary Handle with Key Lock	Extended Rotary Handle
CSC1, CSC2	DHC100	DHCK100	CSE-35S■ EHC100
CSC3	DHC125	DHCK125	CSE-45S■ EHC125
CSC4	DHC250	DHCK250	EHC250
CSC5	N70S	-	E70U
CSC6		-	E80U

NOTES:

- Please replace "*" with R as MCCB left hand side position & T as MCCB right hand position.
- Left Hand seat is not available in 2 Pole MCCB in Frame 1 & Frame 2
- Rotary Handle for 2 Pole Frame 1 & Frame 2 is not available.
- Conventional type

Selection UVT & Shunt

Accessories	FRAME	AC	DC	AC/DC COMMON
UVT	1, 2, 3	AC 380~440V	-	AC/DC 24V
		AC 440~480V	-	AC/DC 48V
		-	-	AC/DC 100~110V
		-	-	AC/DC 200~220V
	4, 5	AC 380~440V	-	AC/DC 48V
		AC 440~480V	-	100~125VAC/100~110VDC
		-	-	AC 200~240V/ DC 200~220V
	6	-	-	100~110V
		-	-	125V
		-	-	200~220V
		-	-	380~440V
SHUNT	1, 2, 3	AC 380~450V	DC 12V	AC/DC 48~60V
		AC 440~500V	-	AC/DC 100~130V
		-	-	AC/DC 200~250V
	4, 5	AC 380~550V	-	AC/DC 24~48V
		-	-	AC 100~240V/ DC 100~220V
	6	100~110V	24V	-
		125V	48V	-
		200~220V	100~110V	-
		380~440V	125V	-
		480~550V	200~220V	-

non stockable items.

WiNbreak MCCB - CSC Series



Terminal Covers [HSN Code: 8538]

Suitable for use on WB-CSC MCCBs	For Line/Load Side		
	2P Reference	3P Reference	4P Reference
CSC1, CSC2	TCS12	TCS13	TCS14
CSC3	TCS22	TCS23	TCS24
CSC4	TCS33	TCS33	TCS34

Mechanical Interlock [HSN Code: 8538]

Suitable for use on MCCBs	Applied between two MCCBs	
	Reference 3 Pole	Reference 4 Pole
CSC5	MI43S	MI44S
CSC6	MI83S	MI84S

Spreader Terminals [HSN Code: 8538]

Suitable for use on MCCBs	Pole	Current Rating (A)	Reference	MOQ
CSC1, CSC2, CSC3	2 Pole	15, 20, 30, 40, 50, 60	CSET1022	Set of 2
CSC1, CSC2, CSC3	2 Pole	75, 100, 125	CSET1022C	Set of 2
CSC1, CSC2, CSC3	3 Pole	15, 20, 30, 40, 50, 60	CSET1033	Set of 3
CSC1, CSC2, CSC3	3 Pole	75, 100, 125	CSET1033C	Set of 3
CSC1, CSC2, CSC3	4 Pole	15, 20, 30, 40, 50, 60	CSET1044	Set of 4
CSC1, CSC2, CSC3	4 Pole	75, 100, 125	CSET1044C	Set of 4
CSC4	2 Pole	150, 175, 200	CSET2022	Set of 2
CSC4	2 Pole	250	CSET2502-ST	Set of 2
CSC4	3 Pole	150, 175, 200	CSET2033	Set of 3
CSC4	3 Pole	250	CSET2503-ST	Set of 3
CSC4	4 Pole	150, 175, 200	CSET2044	Set of 4
CSC4	4 Pole	250	CSET2504-ST	Set of 4
CSC5	3 Pole	300, 350, 400	CSET4033	Set of 3
CSC5	4 Pole	300, 350, 400	CSET4044	Set of 4
CSC6	3 Pole	500, 630, 700, 800	CSET8033	Set of 3
CSC6	4 Pole	500, 630, 700, 800	CSET8044	Set of 4

SS Enclosure for WB MCCB [HSN Code: 8538]

Size	Suitable for use on MCCBs	3 Pole Reference*	4 Pole Reference*
Frame 1	CSC1, CSC2	 CS-CNM0100020	-
Frame 2	CSC3	CS-CNM0100021	-
Frame 3	CSC4	CS-CNM0100021	-
Frame 4	CSC5	 ENCL-250-400AF3	 ENCL-250-400AF4
Frame 5	CSC6	 CS-CNM0100203	-
Frame 6	CSC7, CSC8	 CS-CNM0100204	-

NOTES:

- *Reference code is for Enclosure only (without MCCB)
- For placing an order for MCCB along with Enclosure, please apply Prefix **E-** before MCCB Reference Code.