

TEMBREAK 2 LITE MCCBs AND SWITCH DISCONNECTORS

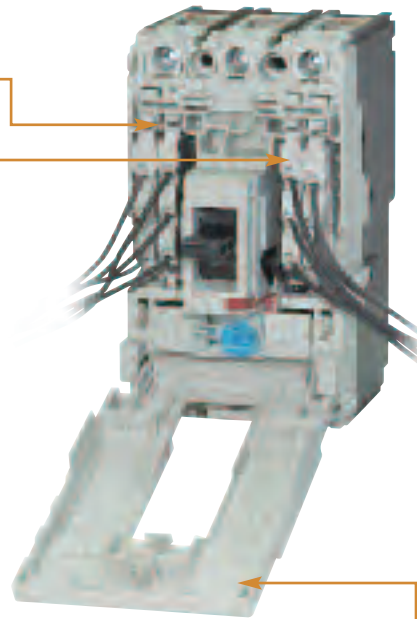
Electrical Control Using Internally Mounted Accessories

Electrical control accessories for the TemBreak 2 Lite range are designed with the installer in mind. Status and alarm contacts, remote tripping coils and undervoltage protection coils are of modular design and convenient to use.

Two Alarm Switches can be installed easily

Practical internal accessories can be installed with one touch

- Auxiliary Switch
- Alarm Switch
- Shunt Trip
- Undervoltage Trip



Unique accessory cover opens with one screw

Secure accessory cover retains MCCBS name plate

SECTION 4



Undervoltage Trip



Shunt Trip



Alarm Switch (Left)



Auxiliary Switch

TEMBREAK 2 LITE MCCBs AND SWITCH DISCONNECTORS

Operating Handles and Locking Devices

Panel Lock Mechanism

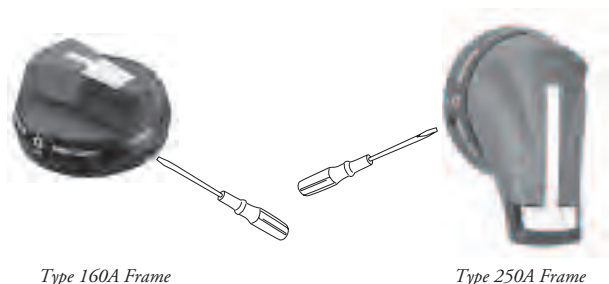
The external operating handle keeps the panel door locked when in the 'ON' position.

OFF open type

The handle is turned to the OFF position to open the panel door.

Panel lock release button

The release button enables the panel door to be opened with the handle in the "ON" position. To release: push the release button on the side of the operating handle with a flat-bladed screwdriver.



Type 160A Frame

Type 250A Frame

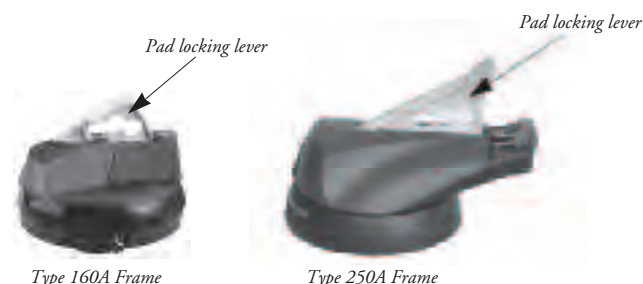
Toggle Lock Mechanism

Padlock (Standard)

This Mechanism allows the breaker to be padlock in the OFF position.

Padlocks are not supplied.

Up to three padlocks can be installed.

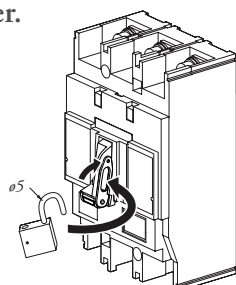


Type 160A Frame

Type 250A Frame

Locking Devices (Toggle Lock HL)

Toggle locking devices allow MCCB's to be locked ON or OFF using up to three padlocks. Locking devices for 160A and 250A frame models accept padlocks with a 5mm hasp diameter.



Key Fitting Facility (optional)

Key fitting facility is available for Castell FS1. Contact us for the details of mounting dimensions.

ACCESSORIES

TEMBREAK 2 LITE MCCBs AND SWITCH DISCONNECTORS

Insulation Accessories

Terminal Covers for Front Connection (CF)

Terminal covers for front connection are suitable for covering the exposed live parts of conductors terminated on the MCCB.



Terminal Cover for Front Connection



Flush Terminal Covers (CS)

Flush Terminal Covers (CS)

Flush terminal covers are available for 250A frame models with CS terminal covers front or cable clamp (FW) connection increase the ingress protection rating at the terminals without increasing the overall length. They can be used with busbar and for direct entry of stranded cable.

Terminal covers for Rear Connection (CR)



Terminal Cover for Rear Connection

Terminal covers for rear connection are available for 160A to 250A frame models and may be used on MCCBs fitted with rear connections (RC). They prevent access to the terminals from the front and top.

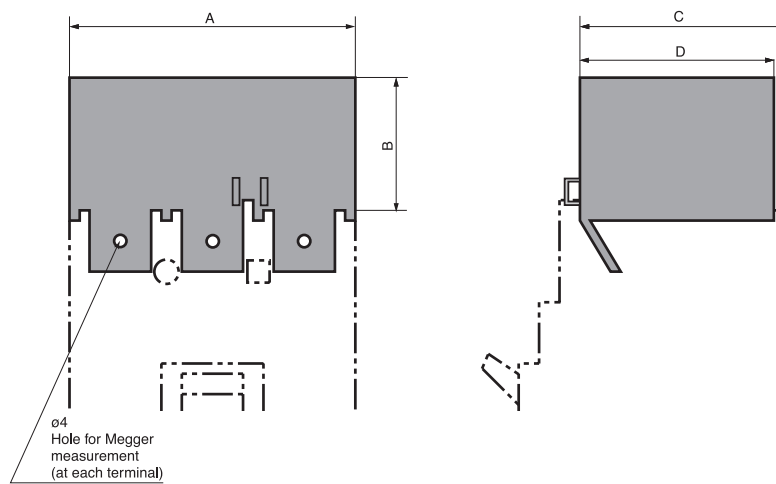
Terminal Cover Lock Option is available to lock and seal CF, CS and CR cover on to MCCB.

TERMINAL COVERS

Tembreak 2 Lite MCCBs & Switch Disconnectors

Terminal covers prevent live parts of the breaker from being exposed to the external environment. There are three types of terminal covers available: CF for front-connected breakers, CR for rear-connected and plug-in breakers, and CS for front-connected breakers with cable clamps. Select appropriate terminal covers depending on the type and application of the breaker.

(1) CF for front-connected breakers



Plug-in mounted version

This version can be mounted simply by being plugged in the breaker body.

To be stated when ordering

- Please state the order codes in the table below. Covers should be ordered individually for Line and Load side.

Types and dimensions of terminal covers, units in mm

CF for front-connected breakers

Types of breakers	Terminal cover			A			B		C		D		Colour of cover G:Gray	Mounting version	
	Size	Note	Marking codes	2 poles	3 poles	4 poles	2/3 poles	4 poles	2/3 poles	4 poles	2/3 poles	4 poles		Plug-in mounted	Screw-mounted
E160-SF, S160-SCF, S160-SF, E160-SJ, S160-SCJ, S160-SJ, S160-SN	Large		—	—	75	100	50	50	61	61	60.3	60.3	G	○	—
S160-SCF	Large		—	50	75	100	50	50	61	61	60.3	60.3	G	○	—
E250-SF, E250-SCF, S250-SF, E250-SJ, E250-SCJ, S250-SJ, S250-SN	Large	②	T2CF25L * SW	147.5	147.5	196	55	55	59	59	57.5	57.5	G	○	—
	Large		T2CF25L * SL	105	105	140	55	55	59	59	57.5	57.5	G		

Notes:

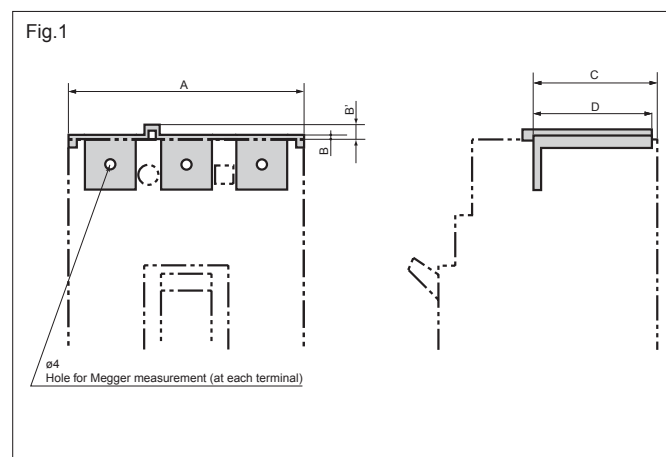
- ①. The asterisk indicates the number of poles. Please state the number of poles at the asterisk position when ordering.
- ②. Applicable to 3-pole breakers with spread extension bars.

DIMENSIONS

TERMINAL COVERS

Tembreak 2 Lite MCCBs & Switch Disconnectors

- (2) CR for rear-connected
CS for front-connected breakers with cable clamps



To be stated when ordering

- Please state "with CR" if ordering along with the breaker.
- Covers should be ordered individually for Line and Load side.

Types and dimensions of terminal covers, units in mm

CR for rear-connected

Types of breakers	A			B		B'	C		D		Colour of cover G: Gray	Figure
	2poles	3 poles	4 poles	2/3 poles	4 poles		2/3 poles	4 poles	2/3 poles	4 poles		
E160-SF, S160-SCF, S160-SF, E160-SJ, S160-SCJ, S160-SJ, S160-SN	—	75	100	5.5	5	—	61	61	60.3	60.3	G	1
S160-SCF	50	75	100	5.5	5	—	61	61	60.3	60.3	G	1
E250-SF, E250-SCF, S250-SF, E250-SJ, E250-SCJ, S250-SJ, S250-SN	105	105	140	2.3	2.3	5.3	58.6	58.6	57.1	57.1	G	1

CS for front-connected breakers with cable clamps

Types of breakers	A		B	B'	C	D	Colour of cover G: Gray	Figure
	3 poles	4 poles						
E160-SF, S160-SCF, S160-SF, E160-SJ, S160-SCJ, S160-SJ, S160-SN	75	100	55	—	61	60.3	G	1
E250-SF, E250-SCF, S250-SF, E250-SJ, E250-SCJ, S250-SJ, S250-SN	105	140	2.3	5.3	58.6	57.1	G	1