

TEMBREAK 2 MCCBs AND SWITCH DISCONNECTORS

Electrical Control Using Internally Mounted Accessories

Remote Tripping Devices

Shunt Trip (SHT)

A shunt trip allows an MCCB to be tripped remotely on the application of the rated coil voltage across the shunt trip terminals. TemBreak 2 shunt trips have **continuously rated coils** and are suitable for use in electrical interlocking applications.

The MCCB contacts and toggle will move to the tripped position when the shunt trip is operated.

The permissible voltage range is 85% to 110% for AC or 75% to 125% for DC.

The cable capacity of the terminals is 0.5 to 1.25mm², bare cable. Shunt trips are colour coded grey.



Shunt Trips



Terminal Designations of Shunt Trips

Ratings of Shunt Trips

Rated Voltage	Voltage AC			Voltage DC			
	100-120	200-240	380-450	24	48	100-120	200-240
Excitation Current (A)	0.014	0.014	0.0065	0.03	0.03	0.011	0.011

Under Voltage Trip (UVT)

An undervoltage trip will trip the breaker automatically when the voltage applied to the terminals of the undervoltage coil drops to between 70% and 35% of its voltage rating. The undervoltage trip prevents the circuit breaker being closed unless a voltage corresponding to at least 85% of its voltage rating is applied across the terminals of the undervoltage coil.

The MCCB contacts and toggle will move to the tripped position when the under-voltage trip operates.

Undervoltage trips with AC operating voltages are available with 500ms time delays. Time-delay units are fitted to the outside of MCCBs.

The cable capacity of the terminals is 0.5 to 1.25mm², bare cable. Undervoltage trips are colour coded grey and black. A UVT controller is required for time delay UVT only.



Undervoltage Trips



Terminal Designations of Undervoltage Trips

Ratings of Undervoltage Trips

MCCB Model	Rated Voltage	Power supply capacity (VA)				Excitation current (mA)				
		Voltage AC			Voltage DC					
		100-120	200-240	380-450	24	100-120	200-240			
S125, H125, L125, S160, H160, L160, PVS160, 250, H250, L250, E400, S400, H400, L400, E630, S630 VS125, VS250, PVS400		1.4	2.8	2.3	23	10	10			
MCCB Model	Rated Voltage	Voltage AC				Voltage DC				
		100-110	115-120	200-220	230-240	380-415	440-450	24	100-120	200-240
S800, H800, L800, S1000, S1250, S1600, PVS800		1.5	1.6	2.4	2.9	2.1	2.3	29	13	11