## MOV'S WITH THERMAL DISCONNECTS   TYPE SMT

These modules consist of Mov's in different combinations with built in thermal disconnects to disconnect the Mov from the circuit to prevent the risk of fire and bursting due to degradation . Degradation can cause an increasing leakage current resulting in Thermal runaway . Applications in Power supplies, Surge Protectors, Surge Filters, Led Lighting , Surge protected multiplugs and Industrial equipment. Suitable for PCB Mounting

TP Thermally protected MOV
Operation: When Mov fails it will be disconnected preventing it from Thermal runaway and the risk of fire or bursting
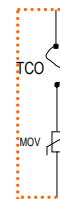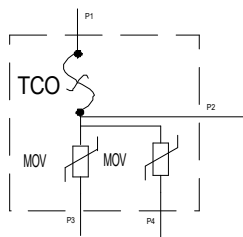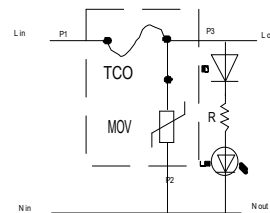
Type SMT-A
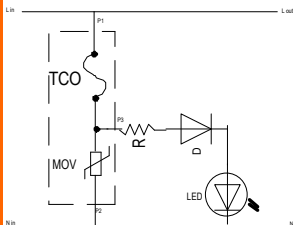
Type SMT-B

Thermally protected MOV with indicator output lead . Type SMT-B
Application: When MOV fails the light will go out and the Mov will be disconnected.

Thermally protected Mov with disconnect to the load circuit ..
Application: When MOV fails power to the load circuit will stop and the Mov will be disconnected
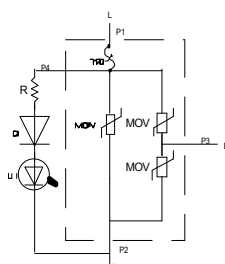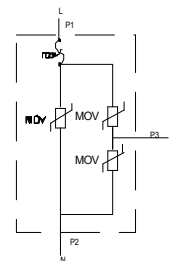
Type SMT-B

Type SMT-C

Two Thermally protected Movs with Output for Signal Remote Warning or Load Disconnection .
Application: When Mov fails the switch for the remote output will open and the Both Movs will be disconnected.

Three Thermally protected Movs For Live , Neutral and Earth Connection
Application : When Movs fail they will be disconnected preventing them from Thermal runaway and the risk of fire or bursting
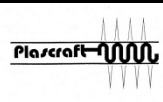
Type SMT-D

Type SMT-E

Three Thermally protected Movs For Live , Neutral and Earth Connection, includes lead for Remote Indication and Load Circuit disconnection
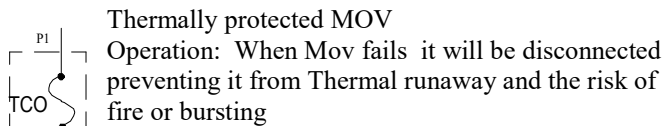Application : When Movs fail they will be disconnected preventing them from Thermal runaway and the risk of fire or bursting. At the same time the Load will be disconnected to avoid the risk of being damaged due to failure of the protection.
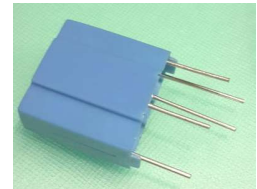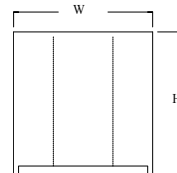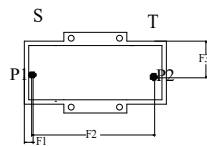
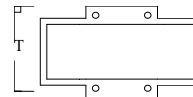## MOV'S WITH THERMAL DISCONNECTS   TYPE SMT

TYPE SMT-A

Thermally protected MOV
Operation: When Mov fails it will be disconnected
preventing it from Thermal runaway and the risk of
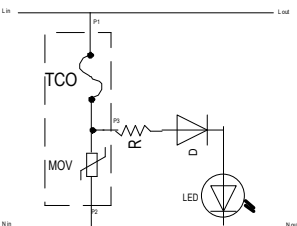fire or bursting

Connection

Dimensions
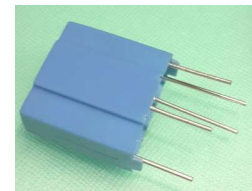W=26.5
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F1=
F2=
F3=
d=

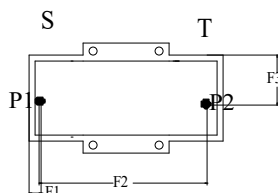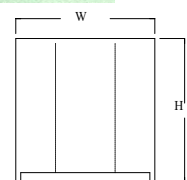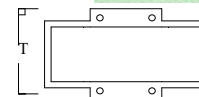| Specifications												
	Max Continous operating Voltage		Varistor Voltage at 1mA dc		Clamping Voltage (Max)		Maximum Peak Current (8/20us)		Voltage Clamping Ratio		Max Energy (Joule)	Typical Capacitance Ref.	Thermal disconnect
Part No	Ac Rms	Dc	Min	Max	Vc	Lp	Ln	Imax	Rd	Ln	10/1000 us	@1Khz	TCO Amps
	(V)		(V)		(V)	(A)	(kA)			(kA)	(J)	(pf)	
45/022	275	350	387	473	710	75	5	10	2.3	5	248	750	16

TYPE SMT-B

Thermally protected MOV with indicator output lead .
Application: When MOV fails the light will
go out and the Mov will be disconnected. Does
not include Indication components

Connection

S   T

P1   P2

Dimensions
W=26.5
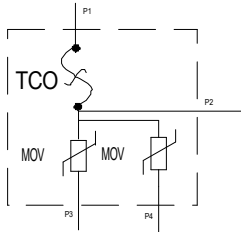H=28.5
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F1=
F2=
F3=
d=

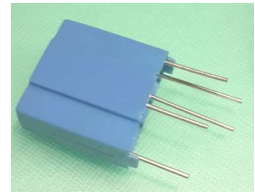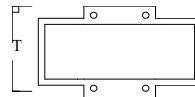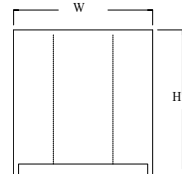| Specifications												
	Max Continous operating Voltage		Varistor Voltage at 1mA dc		Clamping Voltage (Max)		Maximum Peak Current (8/20us)		Voltage Clamping Ratio		Max Energy (Joule)	Typical Capacitance Ref.	Thermal disconnect
Part No	Ac Rms	Dc	Min	Max	Vc	Lp	Ln	Imax	Rd	Ln	10/1000 us	@1Khz	TCO Amps
	(V)		(V)		(V)	(A)	(kA)			(kA)	(J)	(pf)	
45/018	275	350	387	473	710	75	5	10	2.3	5	248	750	16

MOV'S WITH THERMAL DISCONNECTS   TYPE SMT

TYPE SMT-C

Two Thermally protected Movs with Output for Signal Remote Warning .
Application: When Mov fails the switch for the remote output will open and then Both Movs will be disconnected.
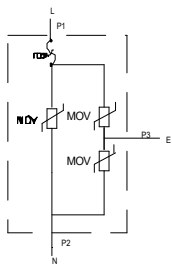
Connection
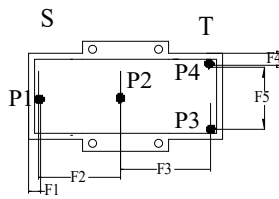
Dimensions
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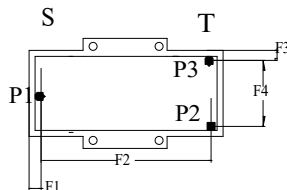F1=
F2=
F3=
F4=
F5=
d=

Specifications

Part No	Max Continous operating Voltage		Varistor Voltage at 1mA dc		Clamping Voltage (Max)		Maximum Peak Current (8/20us)		Voltage Clamping Ratio		Max Energy (Joule)	Typical Capacitance Ref.	Thermal disconnect
	Ac Rms	Dc	Min	Max	Vc	Lp	Ln	Imax	Rd	Ln	10/1000 us	@1Khz	TCO Amps
	(V)		(V)		(V)	(A)	(kA)			(kA)	(J)	(pf)	
45/019	275	350	387	473	710	75	5	10	2.3	5	248	750	16

TYPE SMT-D
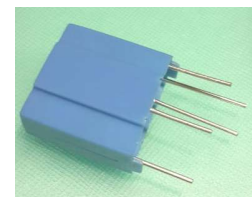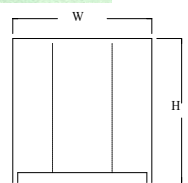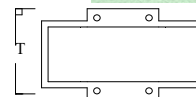
Three Thermally protected   Movs For Live , Neutral and Earth Connection
Application : When Movs fail they will be disconnected preventing them from Thermal runaway and the risk of fire or bursting
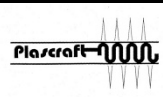
Connection

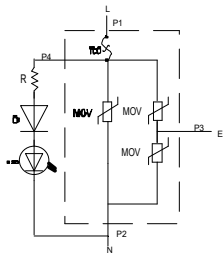Dimensions
W=26.5
H=28.5
T=13.5
F1=
F2=
F3=
F4=
d=

Specifications

Part No	Max Continous operating Voltage		Varistor Voltage at 1mA dc		Clamping Voltage (Max)		Maximum Peak Current (8/20us)		Voltage Clamping Ratio		Max Energy (Joule)	Typical Capacitance Ref.	Thermal disconnect
	Ac Rms	Dc	Min	Max	Vc	Lp	Ln	Imax	Rd	Ln	10/1000 us	@1Khz	TCO Amps
	(V)		(V)		(V)	(A)	(kA)			(kA)	(J)	(pf)	
45/020	275	350	387	473	710	75	5	10	2.3	5	248	750	16

MOV'S WITH THERMAL DISCONNECTS   TYPE SMT
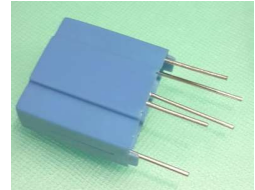
TYPE SMT-E

Three Thermally protected   Movs For Live , Neutral and Earth Connection, includes lead for Remote Indication and Load Circuit disconnection
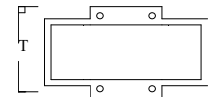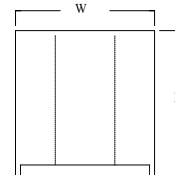
Application : When Movs fail they will be disconnected preventing them from Thermal runaway and the risk of fire or bursting. At the same time the Load will be disconnected to avoid the risk of being damaged due to failure of the protection.

Connection
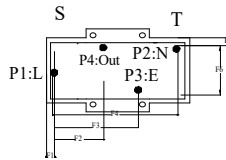
Dimensions
W=26.5
H=28.5
T=13.5
F1=
F2=
F3=
F4=
F5=
F6=
d=

Specifications

Part No	Max Continous operating Voltage		Varistor Voltage at 1mA dc		Clamping Voltage (Max)		Maximum Peak Current (8/20us)		Voltage Clamping Ratio		Max Energy (Joule)	Typical Capacitance Ref.	Thermal disconnect
	Ac Rms	Dc	Min	Max	Vc	Lp	Ln	Imax	Rd	Ln	10/1000 us	@1Khz	TCO Amps
	(V)		(V)		(V)	(A)	(kA)			(kA)	(J)	(pf)	
45/021	275	350	387	473	710	75	5	10	2.3	5	248	750	16