



TECHNO SURGE PROTECTION DEVICE



Introduction

Technocrat Montage Pvt. Ltd. is a professional company specialized in producing surge protectors . Our company is located in kolkata.

Our company currently provides up to 60 kinds of surge protectors. We also provide surge protectors according to customers' requirements.

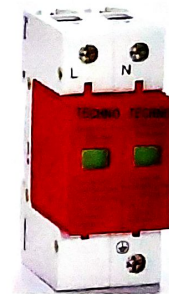
With strict management , standardized production workshops , advanced erp management system , efficient workers , and professional technical personnel, we are providing customers with high quality products.

We welcome the friends from all over the world to negotiate with us for the cooperation and development of lightning over voltage protection market.

Our goals : to become a professional company of designing and manufacturing over - voltage protection products and lightning products

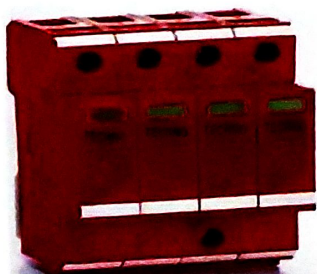
WHAT IS SURGE

A power surge occur for several reason. For example high power electrical devices can create a spike in the electrical current when they are switched on or when their motors kicks on refrigerator, air conditioners, washing machine and even space heater can cause a power surge strong enough to damage electrical system.



This is especially true if you have faulty wiring that effects your home ability to with stand spikes tripped circuit breakers and short circuits in your wiring system can also lead to power spikes.

Lighting strikes are another common cause of power surge a lighting strike does not have to occur near our or your to cause a spike in our or your electrical current in fact striking to a power line can cause a spikes. A single strike can cause a spike strong enough to burn out a computer, fans, washing machine, router and your television.



ARE POWER SURGES DANGEROUS -

A power surge can damage or destroy home appliances and in a worse case scenario start a house fire

HOW CAN YOU PROTECT YOUR APPLIANCES FROM POWER SURGE

If you live in a house with faulty wiring or one that is full of powerful electronics devices you should still buy a surge protector in most cases a surge protector looks like our or your basic power strip . If an electrical spikes done occur the surge protector shall absorb any excess energy redirecting it toward the surge grounding wire in our home instead of letting it get to your appliances.



WHAT SHOULD YOU LOOK FOR IN A GOOD SURGE PROTECTOR



Market and you should choose the one that fit your homes need best as a general rule the bigger the better . In the case of surge protector bigger refers to Joule rating which is the capacity of the surge protector to absorb electric at spikes . For the best protection looks for something that lists 600 Joules or higher . Any thing lower than that might not be enough if you have regular power spikes or if you plan on plugging several devices unto the strip .

The best type of protection you can get is a whole house surge protector . This is a single device to connects to your main electrical panel and protects your whole against power surges . If lightning strikes near by and an electrical spikes occurs in the main electrical line the device will reduce to surge before it enter your home



You can also install a whole house surge arrestor . You generally install these units near your electric meter where the power lines run to your home or building.

Products Contents

Quality is the company lifeline, the passport of promoting market. In such nowadays of economic innovation and opening. Marketing competition namely compare the quality.

Power Surge Protective Device



Grade B I

TCM-B (Imax60KA-80KA)	AC	SPD	01
TCM-B (Imax60KA-100KA)	AC	SPD	02
TCM6-B	AC	SPD	02
TCM7-B	AC	SPD	02
TCM9-B	AC	SPD	02

Grade C II

TCM-C	AC	SPD	03
TCM4-C	AC	SPD	03
TCM5-C	AC	SPD	04
TCM3-C	DC	SPD	04

Grade D III

TCM-D	AC	SPD	05
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Grade B I

TCM-B

Technical Parameter



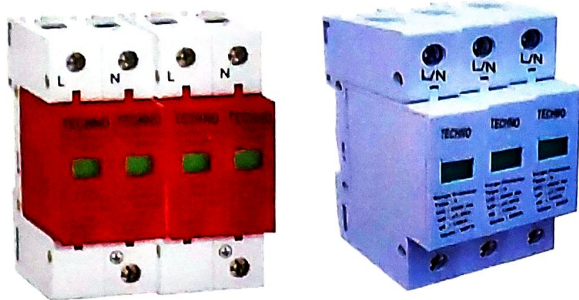
Application

TCM-B series surge protective device (hereinafter called spd) is suitably used in the IT, TT, TN-C, TN-C-S and low-voltage ac power distribution system, rated voltage up to 380V, to protect from direct and indirect lightning impulse and other transient over voltage.

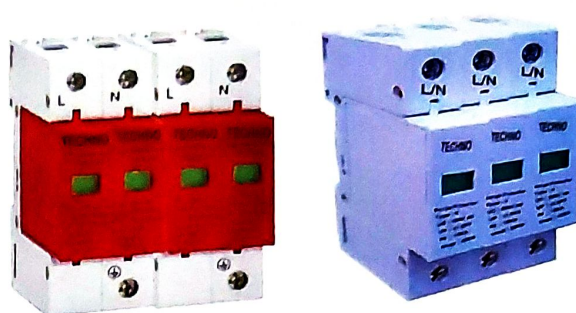
As per the conditions of IEC61643-1 standard, class-I surge protective device it is category B surge protective device. SPD has two protection modes: MC and MD SPD is in compliance with GB18802.1/IEC61643-1 / SPL no. RDSO/SPN/165/2012 standards.

Model and Specification		TCM-B60
Rated Operating Voltage	Un	220V/380V
Max Continuous Operating Voltage	Uc	385V AC
Voltage Protective Level	Up	<2.0KV
Max Discharge Current	I _{max} (8/20uS)	60KA
Nominal Discharge Current	I _n (8/20uS)	30KA
Response Time		<25ns
Propose Grade		IP20
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation
Configuration Dimension	Three-Phase Four Wire	72mm+62mm+90mm
Application		Primary Protection For In Line
Operating Configuration	Temp	40oC - 70oC
	RH	<95% (25oC)
	Sea Level Elevation	<3km
Remote to Signal Function		Can Aisa Picking
Remarks	Other Max Continuous Operating Voltage Can Be Customized	

TCM-B & TCM6-B



TCM7-B & TCM9-B

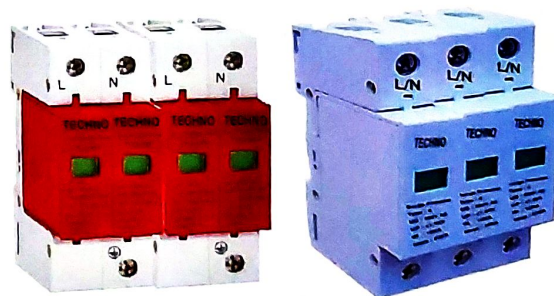


Model and Specification		TCM-B60	TCM-B80	TCM-B100
		TCM6-B60	TCM6-B80	TCM6-B100
Rated Operating Voltage	Un	220V/380V		
Max Continuous Operating Voltage	Uc	385V AC		
Voltage Protective Level	Up	<2.0KV	<2.4KV	<2.8KV
Max Discharge Current	I _{max} (8/20uS)	60KA	80KA	100KA
Nominal Discharge Current	I _n (8/20uS)	30KA	40KA	60KA
Response Time		<25ns		
Proponse Grade		IP20		
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation		
Configuration Dimension	Three-Phase Four Wire	108mm+62mm+90mm		
Application		Primary Protection For In Line		
Operating Configuration	Temp	40°C - 70°C		
	RH	<95% (25°C)		
	Sea Level Elevation	<3km		
Remote to Signal Function		Can Also Picking		
Remarks		Other Max Continuous Operating Voltage Can Be Customized		

Model and Specification		TCM7-B60	TCM7-B80	TCM7-B100	TCM7-B120	TCM7-B150
		TCM9-B60	TCM9-B80	TCM9-B100	TCM9-B120	TCM9-B150
Rated Operating Voltage	Un	220V/380V				
Max Continuous Operating Voltage	Uc	385V AC				
Voltage Protective Level	Up	<2.0KV	<2.4KV	<2.8KV	<3.2KV	<3.6KV
Max Discharge Current	I _{max} (8/20uS)	60KA	80KA	100KA	120KA	150KA
Nominal Discharge Current	I _n (8/20uS)	30KA	40KA	60KA	80KA	100KA
Response Time		<25ns				
Proponse Grade		IP20				
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation				
Configuration Dimension	Three-Phase Four Wire	144mm+62mm+90mm				
Application		Primary Protection For In Line				
Operating Configuration	Temp	40°C - 70°C				
	RH	<95% (25°C)				
	Sea Level Elevation	<3km				
Remote to Signal Function		Can Also Picking				
Remarks		Other Max Continuous Operating Voltage Can Be Customized				

Grade C II

TCM-C & TCM4-C Technical Parameter



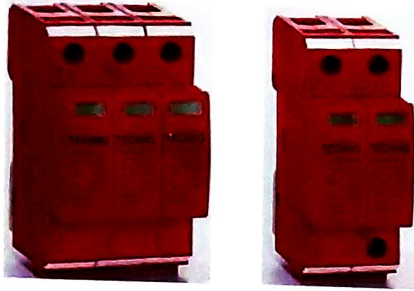
Model and Specification		TCM-C / TCM-4C
Rated Operating Voltage	Un	220V/380V
Max Continuous Operating Voltage	Uc	385V AC
Voltage Protective Level	Up	<1.8KV
Max Discharge Current	I _{max} (8/20uS)	40KA
Nominal Discharge Current	I _n (8/20uS)	20KA
Response Time		<25ns
Proponse Grade		IP20
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation
Configuration Dimension	Three-Phase Four Wire	72mm+62mm+90mm
Application		Primary Protection For In Line
Operating Configuration	Temp	40oC - 70oC
	RH	<95% (25oC)
	Sea Level Elevation	<3km
Remote to Signal Function		Can Aisa Picking
Remarks		Other Max Continuous Operating Voltage Can Be Customized

Application

TCM-C series surge protective device (hereinafter called SPD) is suitably used in the IT, TT, TN-C, TN-C-S and low-voltage AC power distribution system, rated voltage up to 380V, to protect from direct and indirect lightning impulse and other transient over voltage.

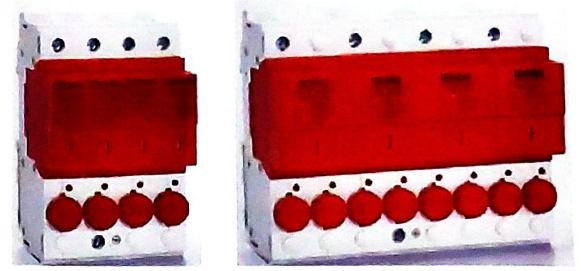
As per the conditions of IEC61643-1 standard, class-I surge protective device it is category b surge protective device. SPD has two protection modes: MC and MD SPD is in compliance with GB18802-1/IEC61643-1 / SPC no. RDSO/SPN/165/2012 standards.

DC TCM3-C



Model and Specification		TCM3-C		
Rated Operating Voltage	Un	DC500V/2P	DC800V/3P	DC1000V/3P
Voltage Protective Level	Up	≤1.8KV	≤3.0KV	≤3.6KV
Max Discharge Current	I _{max} (8/20uS)	40KA		
Nominal Discharge Current	I _n (8/20uS)	20KA		
Response Time		<25ns		
Indication Of Invalidation		Green-Normal Red Invalidation		
Operating Configuration	Aging Invalidation	-40°C ~+ 70°C		
	RH	<95% (25°C)		
	Sea Level Elevation	<3km		
Remote to Signal Function		Can Also Picking		
Remarks		Other Max Continuous Operating Voltage Can Be Customized		

TCM5-C



Model and Specification		TCM5-C40 TCM5-B60 TCM5-B100 TCM5-B120 TCM5-B150				
Rated Operating Voltage	Un	220V/380V				
Max Continious Operating Voltage	Uc	385V AC				
Voltage Protective Level	Up	<1.2KV	<1.5KV	<1.8KV	<2.4KV	<3.0KV
Max Discharge Current	I _{max} (8/20uS)	40KA	80KA	100KA	120KA	150KA
Nominal Discharge Current	I _n (8/20uS)	20KA	40KA	60KA	80KA	100KA
Response Time		<25ns				
Proponse Grade		IP20				
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation				
Configuration Dimension	Three-Phase Four Wire	107mm+72mm+70mm		107mm+144mm+70mm		
Application		Primary Protection For In Line				
Operating Configuration	Temp	40°C ~+ 70°C				
	RH	<95% (25°C)				
	Sea Level Elevation	≤3km				
Remote to Signal Function		Can Also Picking				
Remarks		Other Max Continuous Operating Voltage Can Be Customized				

Grade D III

TCM-D

Technical Parameter



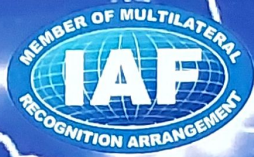
Model and Specification		TCM-D	
Rated Operating Voltage	Un	220V/380V	
Max Continious Operating Voltage	Uc	385V AC	
Voltage Protective Level	Up	<1.8KV	
Max Discharge Current	I _{max} (8/20uS)	40KA	
Nominal Discharge Current	I _n (8/20uS)	20KA	
Response Time		<25ns	
Proponse Grade		IP20	
Indication Of Invalidation	Aging Invalidation	Green-Normal Red Invalidation	
Configuration Dimension	Three-Phase Four Wire	72mm+62mm+90mm	
Application		Primary Protection For In Line	
Operating Configuration	Temp	-40°C ~+70°C	
	RH	≤95% (25°C)	
	Sea Level Elevation	<3km	
Remote to Signal Function		Can Also Picking	
Remarks		Other Max Continuous Operating Voltage Can Be Customized	

Application

TCM-D series surge protective device (hereinafter called SPD) is suitably used in the IT, TT, TN-C, TN-C-S and low-voltage AC power distribution system, rated voltage up to 380V, to protect from direct and indirect lightning impulse and other transient over voltage.

As per the conditions of IEC61643-1 standard, class-I surge protective device it is category B surge protective device. SPD has two protection modes: MC and MD SPD is in compliance with GB18802-1/IEC61643-1 / SPC no. RDSO/SPN/165/2012 standards.

TECHNO SURGE PROTECTION DEVICE



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