

MIP2 series



Protector to protect measuring equipments and control equipments from lightning surges

Lightning protector protects the measurement and process control equipment and control equipment from lightning surges intruded through telecommunication line, signal line and power supply line. According to lightning surge current withstanding long life type MIP2 series corresponding to 10kA and MIP series corresponding to 5kA, realized low cost and high performance, are available.

MIP2 series

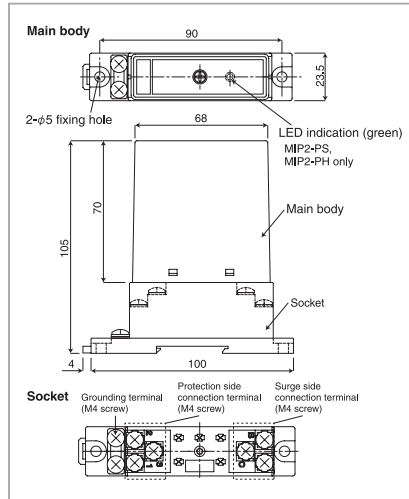
MIP2 series

Built-in high current withstanding element corresponding to 10kA

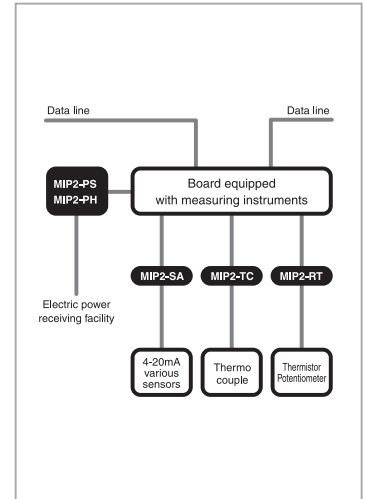
Due to the high current withstanding element built-in, the protector can correspond to impulse current withstanding 10kA and is long life type. Thanks to plug-in structure the maintenance is easy. Protector corresponds to DIN-rail and direct attachment.



External figure unit(mm)



Construction example



Specifications

Type-name	MIP2-SA	MIP2-TC	MIP2-RT	MIP2-PS	MIP2-PH
Application	4-20mA signal	for thermo-couple · DC-voltage signal	for thermistor and potentiometer	for AC100V power supply	for AC200V power supply
Number of core wire	2 core wires		2 core wires	2 core wires	
Rated voltage	DC 30V	DC 8V		AC 100V	AC 200V
Voltage limit	between lines	less than 50V	less than 30V	less than 500V	less than 1000V
	to the grounding	less than 250V		less than 1000V	less than 1800V
Operation voltage	between lines	DC 33 ~ 39V	DC 35 ~ 43V	DC 243 ~ 297V	DC 423 ~ 517V
	to the grounding	DC 74 ~ 90V		DC 423 ~ 517V	DC 819 ~ 1001V
Leak current	between lines	less than 5 μ A	less than 2 μ A	less than 1mA	
	to the grounding	less than 10 μ A		less than 1mA	
Impulse current withstanding	10kA (8/20 μ s)				
Max. load current	100mA	-	-	5A	
Internal series resistance	33 Ω	-	-	-	-

MIP series

Low cost and corresponding to 5kA

Possible to correspond to lightning surge current withstanding 5kA and high cost performance products, which realized also low cost.



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