Electronic System Prote

furse

Applikasi

Untuk penggunaan di Panel Utama dan Panel Distribusi sangat baik untuk memproteksi:

1. peralatan Komputer
2. sistem transmitter/receiver
3. uninterruptible power supplies (UPS)
4. drivers & inverters
5. programmable logic controllers (PLC)
6. peralatan medis



Contoh pemasangan ESP di panel listrik.

Features and Benefits

- Di design untuk memproteksi peralatan yang sensitif terhadap gangguan listrik.
- Tegangan keluaran "Let-through Voltage" yang rendah (600V) selalu memberikan perlindungan te
- Lampu indikator yang menunjukan proteksi penuh, separuh dan tidak ada proteksi.
- 7 Mode (full mode) dengan Total 160 KA. "unit to earth" (untuk model terbaru)
- Dry contact untuk di integrasikan dengan sistem alarm external.



Indikasi alarm bila terjadi potensi masalah dikarenakan adanya teganggan netral terhadap pembumian



In stallasi pada panel distribusi, sebaiknya ESP dipasang dengan indikator mengh

	ESP 120 M1	ESP 208 M1	ESP 240 M1	ESP 415 M1
Nominal voltage (RMS)	120V	208V	240V	415V
Working voltage (RMS)	90-150V	156-260V	200-280V	346-484V
Frequency range	40-60Hz	40-60Hz	40-60Hz	40-60Hz
Current rating (supply)	Direct connection to supplies up to 100A Connection via series fuses to supplies greater than 100A See installation instructions			
Leakage current (to earth)	<250µA	<250µA	<250µA	<250µA
Indicator circuit current	<10mA	<10mA	<10mA	<10mA
Volt free contact*	Screw terminal	Screw terminal	Screw terminal	Screw terminal
- current rating	1A	1A	1A	1A
- nominal voltage (RMS)	250V	250V	250V	250V

* Minimum permissible load is 5V DC, 10mA to ensure reliable contact operation.

	ESP 120 M1	ESP 208 M1	ESP 240 M1	ESP 415 M1
Let-through voltage (all conductors)†				
6kV 1.2/50µs open circuit voltage, 3kA 8/20µs short circuit current to: *BS 6651:1999 Appendix C, Cat C-Low & B-High* *IEEE C62.41-1991† Location Cats C1 & B3* *SS CP 33:1996 Appendix F* *AS 1768-1991 Appendix B, Cat B* *UL1449 mains wire-in*	400V	400V	600V	600V
4kV 1.2/50µs open circuit voltage, 2kA 8/20µs short circuit current to: *IEC 1000-4-5:1995*	385V	385V	570V	570V
2kV 1.2/50µs open circuit voltage, 1kA 8/20µs short circuit current	370V	370V	530V	530V
5kA 8/20µs to *NFC 61-740*	445V	445V	690V	690V
2.5kA 8/20µs to *BS EN 60099-1:1994*	395V	395V	590V	590V
6kV 0.5µs 100kHz ring wave, 500A to: *IEEE C62.41-1991† Location Cat B3* *AS 1768-1991 Appendix B, Cat B*	Available on request	Available on request	510V	510V
Maximum surge current†				
- between any two conductors	30kA	30kA	30kA	30kA
- total unit to earth	60kA	120kA	60kA	120kA