

Electrical Transient Protections

Protections for power lines

CARLO GAVAZZI



- For industrial and private applications
- Working voltage 230/380 Vac
- Common mode protection
- Differential mode protection
- Modular case
- Mounting on DIN slide OMEGA/G type
- Radiofrequency filter

Product Description

The DRP protection series are able to assure a fast protection against the differential and common mode over-voltages and guarantee a level of protection of 6,5 kA referred to normalized pulse 8/20 ms. They have been

realized in modular case, 2.5 module dimension, for the mounting on DIN slide. The DRP-A model can be used to protect three-phase power lines (380 Vac). In this case it is necessary to mount one protection on each line.

Ordering Key

DRP-A20

Type _____

Type Selection

Max working current	Working voltage	Ordering no.
–	230/380 Vac	DRP-A
2 A	230 Vac	DRP-A2
16 A	230 Vac	DRP-A20

Specifications

Common mode protection	static breakdown voltage dynamic breakdown voltage nominal discharge current response time	620 V slew rate 100 V/s <1200V slew rate 1 kV/μs 6,5 kA with pulse 8/20 μs < 500 ns	Radiofrequency filter	DRP-A DRP-A2 DRP-A20	No Yes Yes
Differential mode protection	static breakdown voltage dynamic breakdown voltage nominal discharge current response time	560 V slew rate 100 V/s <850 slew rate 1 kV/μs 6,5 kA with pulse 8/20 μs < 25 ns	Max section wires		16 mm ²
Ground leakage current		< 1 mA a 253 Vca 50 Hz	Case		Modular case 2.5
In band attenuation (0,5 ÷ 10 Mhz)		>45 dB differential mode >60 dB common mode	Dimensions		44x88x60