

1000V 40kA Surge Protection Device

This surge arrester protects electrical systems from transient overvoltages. It has a U_c of 1000V, I_n of 20kA(8/20 μ s), and I_{max} of 40kA(8/20 μ s).



Product Overview

Professional Grade Surge Protection

This 2P surge protection device is engineered to provide robust defense against transient overvoltages in electrical systems. Compliant with IEC61643-1 T2 standards, it offers a reliable maximum discharge current of 40kA. Designed for industrial longevity, the unit features integrated visual fault indication and flexible mounting options for standard DIN rail systems.

Technical Specifications

Key Electrical Performance

385 Vac

Max Operating Voltage

40 kA

Max Discharge Current

2 kV

Voltage Protection Level

Electrical Characteristics

Parameter	Value
Nominal Discharge Current	20kA (8/20 μ s)
Max Backup Fuse	125A gL
Response Time	d25s
Number of Poles	2P

Installation and Compliance

Mounting and Connectivity

- Mounting: DIN rail EN 60715 (35mm)
- Solid cross-section: 35mm²
- Flexible cross-section: 50mm²
- Enclosure material: Thermalplastic UL94-V0

Remote Signaling Capacity

Voltage Type	Capacity
AC	250V/0.5A
DC	250V/0.1A
DC	125V/0.2A
DC	75V/0.5A

Standards and Ratings

IEC61643-1, T2 Classification, UL94-V0 Material