

Single-phase surge protector and RFI filter

DS-HF



The DS-HF is a secondary surge protector for especially sensitive equipment. The “surge protection” function is completed by RFI filtering. This combination of functions results in enhanced efficiency against transient overvoltages (low clamping voltage) and RF interference. The DS-HF surge protector is installed in series with connected equipment.

Applications

- Control & Instrumentation, PLCs
- Gate controllers
- Rectifiers
- Conveyor systems
- Transmitters and Receivers
- Video Surveillance Cameras
- Irrigation Systems

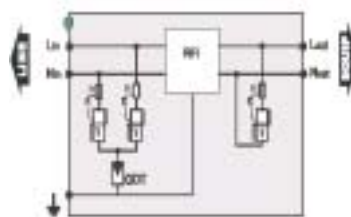
Standards & Guidelines

IEC 61643-11	International
ANSI/IEEE C62.41	USA
NFC 61740-95	France
VDE0675-6	Germany
CSA C22.2	Canada
CE Marked	European

OEM Series AC Protection

- 30kA transient amps protection (8/20μs)
- Series installed, 35mm DIN Rail
- Hybrid protection circuit with RFI filter
- Power present LED indicator
- All modes of protection
- 10-Year warranty

Electrical Diagram



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection
 MI: Disconnection indicator

Specifications

Citel Model	DS-HF-120	DS-HF
System Voltage	110-130V	220-230V
MCOV	150V	250V
I _{peak} (8/20μs)	30kA	30kA
Max. Line Current	20A	20A
ClampV @ 3kA	350V	650V
RFI Filtering	0.1-30MHz	0.1-30MHz
kAIC Rating	10,000 amps	10,000 amps
Operating Current	< 0.5mA	< 0.5mA
Diagnostics	Power present LED indicator.	
Housing Materials	Polycarbonate UL94-0V	
Operating Temperature	-40°C to +85°C	
Operating Altitude	13,000 ft (400m)	
Connection Method	Series	
Protection Type	MOV-GDT-RFI based hybrid	
Connection	screw terminals, 0.75-4mm ²	
Protection Modes	L-N, L-G, N-G	
Dimensions	90Hx70Wx59D (in mm)	