

Surgeologic Type ICSE

Active Tracking Filter (ATF)

Surgeologic™ Type ICSE with Active Tracking Filter (ATF) technology offers high frequency noise filter capabilities with surge protection for loads up to 30 A.

Type ICSE is designed to protect critical loads in buildings or industrial facilities.

Applications:

Designed to protect sensitive control and computing systems exposed to harsh environments

Features:

- Current: 2.5A, 5A, 7.5A, 15A, 30A
- Voltage: 120 - 240 V
- Connection: Terminal
- Frequency Response (Forward-Reverse):
 - Normal Mode: 100 KHz to 50 MHz -90 db Min
 - Common Mode: 5 MHz to 50 MHz -60 db Min
- Mounting: Flange
- Typically reduces normal mode transients to +/-2 volts
- Surge current capacity 6,500A per mode
- Transient protection in all modes: line to neutral, line to ground, and neutral to ground
- UL1283 – Electromagnetic Interference Filters; CSA C22.2 No. 8-M1986



Benefits:

- Active Tracking Filter technology suppresses transients and high frequency noise to deliver reliable power
- High-frequency noise filter with transient protection

Warranty

Type ICSE has a limited warranty of 5 years

Installation:



Catalog Numbers	Dimensions (W x L x D)
HFNF120ICSE002	4.00 in. x 2.88 in x 1.81 in. 101.6 mm X 73.15 mm X 45.97 mm
HFNF120ICSE005	
HFNF240ICSE002	
HFNF120ICSE007	4.75 in. x 4.75 in. x 2.35 in. 120.6 mm x 120.6 mm x 59.69 mm
HFNF120ICSE015	6.25 in. x 4.75 in. x 2.35 in. 158.75 mm x 120.65 mm x 59.69 mm
HFNF120ICSE030	7.75 in. x 4.75 in. x 2.35 in. 196.85 mm x 120.65 mm x 59.69 mm
HFNF240ICSE015	

Performance

Continuous Current	2.5 A, 5 A, 7.5 A, 15 A, 30 A
Fusing/Circuit Breaker Size	2.5 A, 5 A, 7.5 A, 15 A, 30 A
Frequency Response (Forward-Reverse)	
Normal Mode:	100 KHz to 50 MHz -90 db Min
Common Mode:	5 MHz to 50 MHz -60 db Min

Mechanical Description

Mounting	Flange mounted inside an enclosure
Power Connection	Line/Neutral/Ground
Wiring (Copper Wire)	26 AWG, 22 AWG, 18 AWG, 14 AWG, 10 AWG
Terminal Torque	12 lb-in. (1.25 N-m) 7 lb-in. (1.81 N-m)
Operating Temperature	-40° F to +185° F (-40° C to +85° C)
Storage Temperature	-40° F to +185° F (-40° C to +85° C)

Diagnostics

Green status LEDs

Listings and Certification

UL1283 CSA C22.2 No. 8-M1986

Commercial Reference	Service Voltage	Continuous Current	Fusing Circuit Breaker Size
HFNF120ICSE003	120 V, 50/60 Hz, 1-phase (2 wire + ground)	2.5 A	2.5 A
HFNF120ICSE005		5 A	5 A
HFNF120ICSE007		7.5 A	7.5 A
HFNF120ICSE015		15 A	15 A
HFNF120ICSE030		30 A	30 A
HFNF240ICSE002	240 V, 50/60 Hz, 1-phase (2 wire + ground)	2.5 A	2.5 A
HFNF240ICSE015		15 A	15 A

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