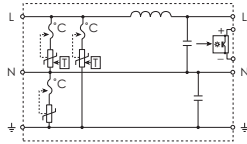
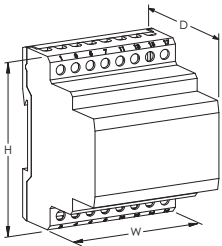


# Transient Discriminating Filter – TDF20A120V (700005)



- Transient Discriminating (TD) Technology provides increased service life
- In-line series protection
- High-efficiency low-pass sine wave filtering is ideal for the protection of switched mode power supplies
- Three modes of protection: L-N, L-PE and N-PE
- LED status indication and opto-isolated output for remote status monitoring



Part Number	TDF20A120V
Article Number	700005
Rated Load Current (IL)	20 A
Nominal System Voltage (Un)	110 - 120 V
Max Continuous Operating Voltage (Uc)	170 VAC
Stand-off Voltage	240 V
Frequency	0 – 60 Hz
Max Discharge Current (Imax), L-N	20 kA 8/20 $\mu$ s
Max Discharge Current (Imax), L-PE	20 kA 8/20 $\mu$ s
Max Discharge Current (Imax), N-PE	10 kA 8/20 $\mu$ s
Voltage Protection Rating (VPR)	500.0 V @ 500 A 400.0 V @ 3 kA
Back-Up Overcurrent Protection	20 A
Filtering	-53 dB @ 100 kHz
Distribution System	1Ph 2W+G
Protection Modes	All modes protected
Connection, Solid	1 – 6 mm <sup>2</sup>
Connection, Stranded	1 – 6 mm <sup>2</sup>
Mounting	35 mm top hat DIN rail
Status Indication	LED
Enclosure Material	UL <sup>®</sup> 94V-0 thermoplastic
Enclosure Rating	IP 20 NEMA <sup>®</sup> -1
Temperature	-35 to 55 °C



Part Number	TDF20A120V
Module Width	8 M
Depth (D)	68 mm
Height (H)	90 mm
Width (W)	144 mm
Unit Weight	1.57 kg
Certification Details	UL® 1449 Edition 3 Recognized Component Type 2 UL® 1283
Complies With	ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C
Certifications	CE C-Tick cURus
Standard Packaging Quantity	1 pc
UPC	78285644039
EAN-13	8711893014709

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**WARNING**

ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at [www.erico.com](http://www.erico.com) and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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