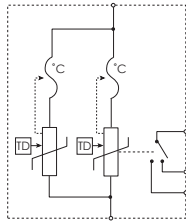
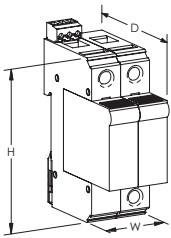


Transient Discriminating Surge Diverter, 100 kA Single Mode – TDS11002SR277 (702412)



- TD Technology with thermal disconnect protection
- Compact design fits into DIN distribution panel boards and motor control centers
- Indication flags and voltage-free contacts provide remote status monitoring
- Separate plug and base design facilitates replacement of a failed surge module
- 100kA 8/20 μ s maximum surge rating provides protection suitable for sub-distribution panels and a long operational life



Part Number	TDS11002SR277
Article Number	702412
Nominal System Voltage (Un)	220 - 277 VAC
Max Continuous Operating Voltage (Uc)	320 VAC
Stand-off Voltage	480 VAC
Voltage Protection Rating (VPR)	1,000.0 V @ 3 kA 1,600.0 V @ 20 kA
Nominal Discharge Current (In)	40 kA 8/20 μ s
Max Discharge Current (Imax)	100 kA 8/20 μ s
Impulse Current (Iimp)	12.5 kA 10/350 μ s
Back-Up Overcurrent Protection	125 A
Response Time	5 ns Max
Short Circuit Current Rating (SCCR)	200 kA
Frequency	0 – 100 Hz
Protection Modes	L-N L-PE N-PE
Technology	TD technology with thermal disconnect
Connection, Solid	35 mm ² Max
Connection, Stranded	25 mm ² Max
Mounting	35 mm top hat DIN rail
Enclosure Material	UL [†] 94V-0 Thermoplastic
Enclosure Rating	IP 20 NEMA [®] -1
Remote Contacts	Yes

Part Number	TDS11002SR277
Status Indication	Mechanical flag
Temperature	-40 to 80 °C
Module Width	2 M
Depth (D)	68 mm
Height (H)	90 mm
Width (W)	35 mm
Unit Weight	0.24 kg
Certification Details	UL [®] 1449 Edition 4 Type 4CA, 20 kA Mode
Complies With	ANSI [®] /IEEE [®] C62.41.2-2002 Cat A, Cat B, Cat C ANSI [®] /IEEE [®] C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 μs, 10 kA 10/350 μs IEC [®] 61643-1 Class I, Class II
Replacement Module	TDS150M277
Certifications	CE cURus
Standard Packaging Quantity	1 pc
UPC	78285658537
EAN-13	8711893046250

ANSI is a registered trademark of American National Standards Institute. IEC is a registered trademark of the International Electrotechnical Commission. IEEE is a registered trademark of The Institute of Electrical and Electronics Engineers, Inc. NEMA is a registered service mark of National Electrical Manufacturers Association. UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC.

WARNING

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

© 2017 Pentair All rights reserved

Pentair, CADDY, CADWELD, CRITEC, ERICO, ERIFLEX, ERITECH and LENTON are owned by Pentair or its global affiliates.

All other trademarks are the property of their respective owners. Pentair reserves the right to change specifications without prior notice.