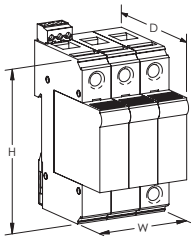
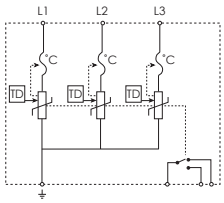
Transient Discriminating Surge Diverter, 50 kA TNC System – TDS350TNC277 (702417)

HELIOS POWER SOLUTIONS

- 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
- 50kA 8/20µs maximum surge rating provides protection suitable for sub-distribution panels and a long operational life





Part Number	TDS350TNC277
Article Number	702417
Nominal System Voltage (Un)	240 - 277 VAC
Max Continuous Operating Voltage (Uc)	320/536 VAC
Stand-off Voltage	480/813 VAC
Voltage Protection Rating (VPR)	1,000.0 V @ 3 kA 1,600.0 V @ 20 kA
Nominal Discharge Current (In)	20 kA 8/20 µs
Max Discharge Current (Imax)	50 kA 8/20 µs
Back-Up Overcurrent Protection	125 A
Short Circuit Current Rating (SCCR)	200 kA
Frequency	0 – 100 Hz
Protection Modes	L-N
Response Time	5 ns Max
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
Status Indication	Mechanical flag
Temperature	-40 to 80 °C

Part Number	TDS350TNC277
Module Width	3 M
Depth (D)	68 mm
Height (H)	90 mm
Width (W)	53 mm
Unit Weight	0.36 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 2, 50 kA 8/20 µs IEC® 61643-1 Class II
Replacement Module	TDS150M277
Certifications	CE cURus
Standard Packaging Quantity	1 pc
UPC	78285658546
EAN-13	8711893046298

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