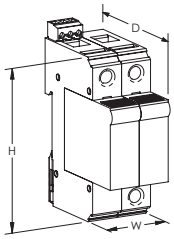
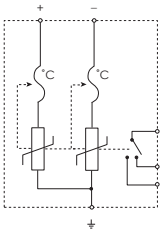
DC Surge Diverter, 50 kA – TDS502BR600DC

HELIOS POWER SOLUTIONS

- Designed to provide economical and reliable protection from transients on DC power systems
- Compact design fits into inverters and solar combiner boxes
- Conveniently packaged for easy installation on DIN rail
- Separate plug and base design allows hot swappable module replacement





Part Number	TDS502BR600DC
Nominal System Voltage (Un)	600 VDC
Max Continuous Operating Voltage (Uc)	600 VDC
Voltage Protection Rating (VPR)	2,000.0 V @ 3 kA - to PE 2,000.0 V @ 3 kA + to PE
Nominal Discharge Current (In)	20 kA 8/20 µs
Max Discharge Current (Imax)	50 kA 8/20 µs
Frequency	0 – 100 Hz
Protection Modes	-ve to PE +ve to PE
Technology	Gas Discharge Tube (GDT) Metal Oxide Varistor (MOV)
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
Module Width	2 M
Depth (D)	68 mm
Height (H)	90 mm
Width (W)	35 mm
Unit Weight	0.24 kg

Part Number	TDS502BR600DC
Certification Details	UL® 1449 Edition 3 for PV Applications
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
Replacement Module	TDS150M560
Certifications	cURus
Standard Packaging Quantity	1 pc
UPC	78285666496
EAN-13	8711893066333

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WARNING
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