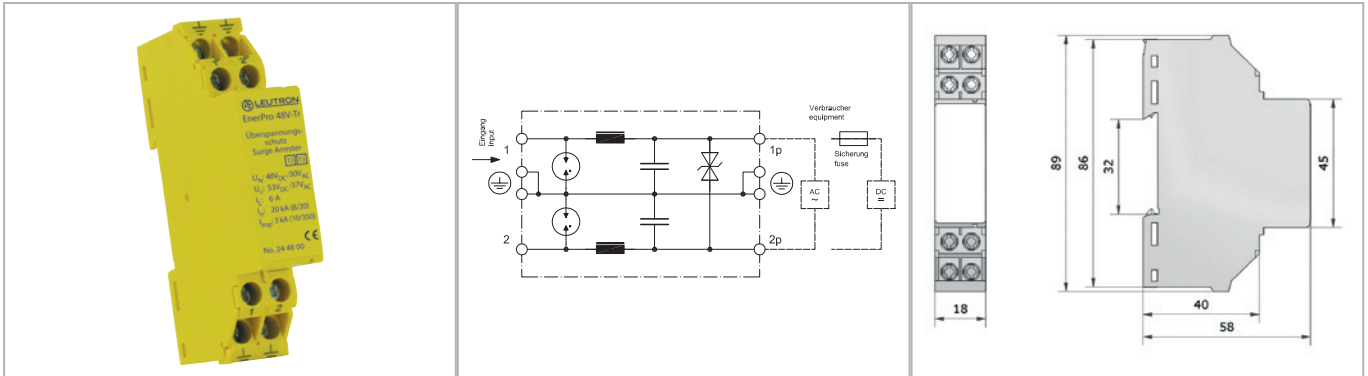


# Datasheet

## Surge protection for power supply systems

### DC Power Supply / EnerPro



**Two-pole class II and III SPD with gas-filled surge arrester (GDT) and suppressor diodes for operating currents up to 6 A.**

- **Two-step protective circuit with integrated low-pass filter**
- **High performance surge protector for operating voltage of 48 V DC**
- **Mounting directly on mounting plate or on 35 mm DIN rail**
- **With filter**

Technical Data		EnerPro 48V-Tr
IEC category/EN type		Type 2 + 3 / class II + III
Nominal voltage DC	UN	48 V=
Nominal alternating voltage (50/60Hz)	UN	30 V~
Max. continuous operating voltage DC	Uc	53 V=
Max. continuous operating voltage AC (50/60Hz)	Uc	37 V~
Max. operating current	IL	6 A
Leakage current at Umax DC		≤ 5 μA
DC resistance	R	27 Ω
Series inductance, typ.	L	20 μH
Protection level line-earth at 1kV/μs and In	Up	≤ 800, typ. 650 V
Protection level line-line at 1 kV/μs and In	Up	≤ 85 / 110 V
Short-circuit current extinguishing capacity line-line		≤ 1.0 A
Short-circuit current extinguishing capacity line-earth		≤ 0,75 A
Nominal impulse discharge current (10 x 8/20μs)	In	20 kA
Service life test current (500 x 10/700 μs)	il	200 A
Critical discharge current (10/700 μs)		1000 A
Max. alternating discharge current (50 Hz/ 5x 0,5s)	Iwn	50 A
Max. current 50 Hz/0.5 s	Ig	80 A
Operating temperature range	TU	-25 - +85 °C
Conductor cross section		2.5 mm <sup>2</sup> single-wire / 1.5 mm <sup>2</sup> flexible with sleeve

Order Data	
Product	EnerPro 48V-Tr
Article-No.	24 48 00