

Lightning- and Overvoltage Protection **EnerPro48V/100A-Tr (/Pk)**

For power supply lines up to 100A



- High performance surge protective device (SPD) for operating voltages of 48V
- Surge voltage protection as MOV surge valve (no leakage currents)
- Snap-open housing for top hat rail mounting
- Multifunctional connection terminals for comb and board rail connections ?
- LED control display
- Pluggable signal contact (optional)

Product description:

EnerPro48V/100A-Tr is used as an overvoltage and noise voltage protection device at the supply level of electrical equipment. One unit can protect two wires at a time. The protective circuit is placed in an easy-to-handle snap-open housing for 35 mm hat rails (acc. to EN50022) with multifunctional connection terminals for comb and board rail connection.

EnerPro48V/100A-Tr is fitted with isolating switches which respond as soon as the varistors exceed a certain level of leakage currents due to overload. In this case, the surge voltage protection device is simply disconnected from the main supply (no operation failure), the green indicator lamp goes out and the optional signal contact opens.

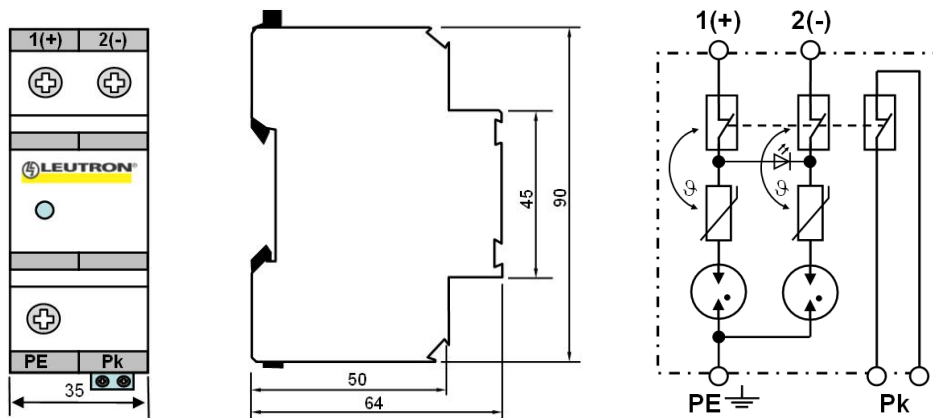
Technical Data:

Type	EnerPro48V/100A-Tr / EnerPro48V/100A-Tr /Pk		
Application	voltage protection for 48V= with operating currents up to 100A		

Type			EnerPro48V/100A-Tr / EnerPro48V/100A /Pk
Order number			38 20 70 / 38 20 71
Nominal DC voltage	U_n	[V=] [V~]	48 34
Max. DC operating voltage	U_{max}	[V=] [V~]	60 42
Max. admissible line/backup fuse	I	[A]	100 A gL
Leakage current at Umax. (1-PE, 2-PE)	I_L	[μ A]	< 1,0
Protection level at 1 kV/ μ s (1-PE, 2-PE)v	U_{as}	[kV]	$\leq 0,2$
Protection level at i_{sn} (1-PE, 2-PE)	U_{res}	[kV]	< 0,3
Response time	t	[ns]	25
Nom. impulse discharge current (8/20 μ s) G Max imp. discharge current (8/20 μ s)	i_{sn} i_{max}	[kA] [kA]	15 30
Operating temperature range		[°C]	-25 ... +85
Max. cross sect. f. connection (1,2 and PE)		[mm ²]	multiwire 50 / fine strand 35
Housing material / colour			Polycarbonate (halogen free) UL 94-V0 / yellow
Sealing compound			Polyurethane
Protection category acc. to IEC 529 (1989)			IP 20 (IEC/EN 60529)
Mounting			Hat rail 35 mm acc. to EN 50 022

Dimensions in mm / Scheme:

Housing dimensions 2TE, DIN



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Subject to modification in terms of technical
data and delivery form

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