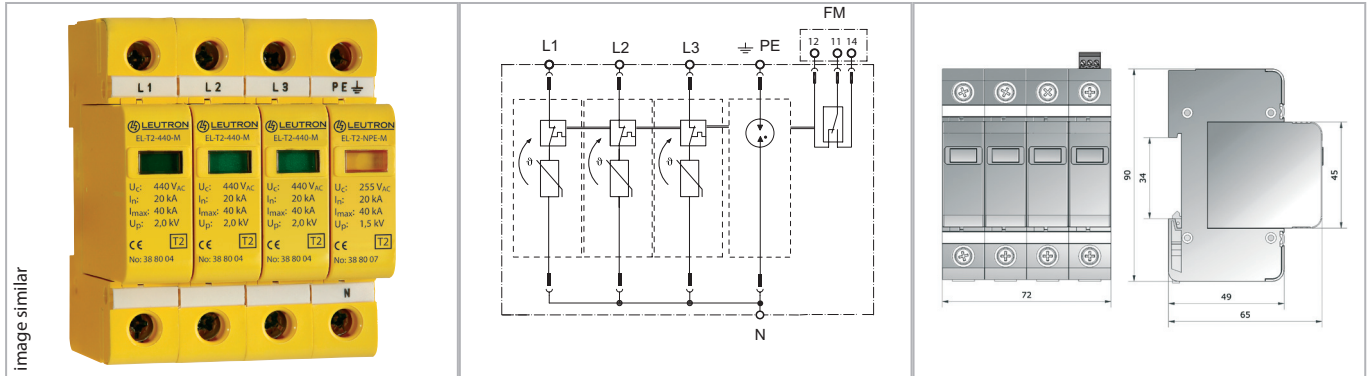


# Datasheet

## Surge protection of power supply

### SPD type 2 for AC power supplies / EL series



Fully pluggable surge protective arrester type 2 (class II) for the use in three-phase TT and TNS systems.

- Test standard: IEC 61643-11 / EN 61643-11
- Vibration test standard: DIN EN 60068-2-6, IEC 60068-2-6
- Shock test standard: DIN EN 60068-2-27, IEC 60068-2-27
- 3+1 circuit
- Mounting on 35 mm DIN rail (EN 60715)
- With remote changeover contact (FM)

#### Technical Data

#### EL-T/3+1-440-FM

IEC category		Type 2 / class II
Nominal voltage AC	UN	230 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	440 V~
Nominal discharge current (8/20 $\mu$ s)	In	20 kA
Max. impulse discharge current (8/20 $\mu$ s)	I <sub>max</sub>	40 kA
Protection level at In (8/20 $\mu$ s)	Up	$\leq 2,0$ kV
Protection level at 5 kA	Up	$\leq 1,5$ kV
Protection level N-PE	Up	$\leq 1,5$ kV
Follow-on current extinguishing capability AC N-PE	I <sub>fi</sub>	100 A <sub>eff</sub>
Short-circuit withstand capability at max. back-up fuse	I <sub>k</sub>	25 kA <sub>eff</sub>
Max. acceptable fuse or back-up fuse		125 A gG
Operating temperature range	TU	-40 - +80 °C
Min. conductor cross section at terminals		1.5 mm <sup>2</sup> solid/flexible
Max. conductor cross section		35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> flexible
Max. connection torque for terminals		3,5 Nm
Enclosure material / colour		Thermoplastic, yellow, UL 97 V-0
Degree of protection (IEC EN 60529)		IP 20
Dimension (DIN 43880)		4TE
Max. operating voltage remote contact FM		250 V AC/125 V DC
Max. operating current remote contact FM		1 A AC/200 mA DC

#### Order Data

Product	EL-T/3+1-440-FM
Article-No.	38 81 18