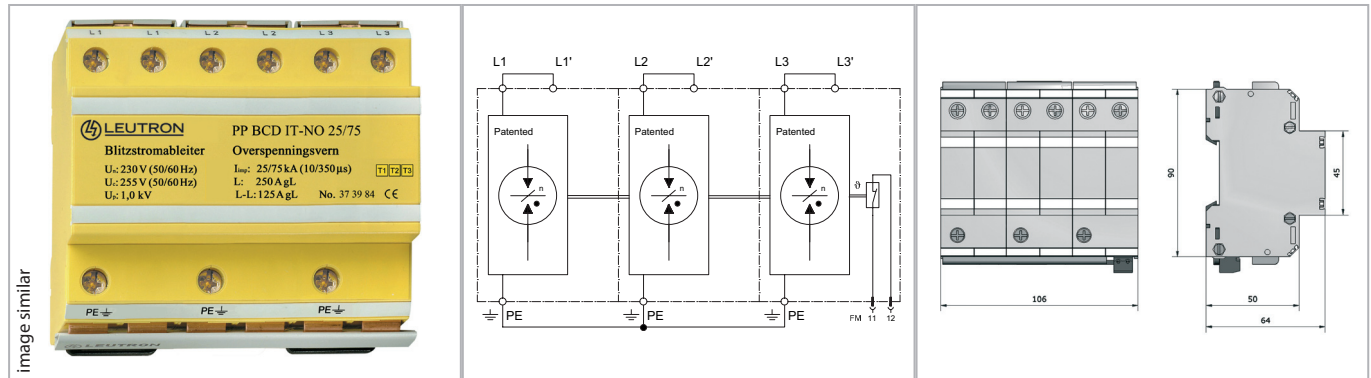


# Datasheet

## Surge protection of power supply

### Combined arrester type 1 + 2 + 3 for AC power supplies / PowerPro



**Multi-pole SPD type 1+2+3 for 3-phase IT systems. Applicable at the boundaries LPZ 0A - 1 and higher.**

- **Combined Arresters Class I+II+III (T1+T2+T3)**
- **Test standard: IEC 61643-11 / EN 61643-11**
- **High insulation resistance Risol:  $\geq 10 \text{ G}\Omega$**
- **Protection level  $\leq 1.0 \text{ kV}$**
- **Remote signalling contact: break contact**
- **EAC certification**

Technical Data		PP BCD IT-NO 25/75/FM
IEC category		Type 1 + 2 + 3 / class I+II+III
Nominal voltage AC	UN	230 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	440 V~
Insulation resistance	Risol	$> 10 \text{ G}\Omega$
Protection level at 100% lightn. imp. sparkover voltage (1.2/50 $\mu\text{s}$ )	Up	$\leq 1.0 \text{ kV}$
Protection level	Up	$\leq 1.0 \text{ kV}$
Response time	tA	$< 50 \text{ ns}$
Lightning impulse current (10/350 $\mu\text{s}$ )	Iimp	25 (3x L-PE) kA
Lightning impulse current (10/350 $\mu\text{s}$ ) total	Itotal	75 kA
Follow-on current extinguishing capability at Uc (50/60 Hz)	Ifi	4,0 (IEC: 3.0) kA
Short-circuit withstand capability at max. back-up fuse 250 A gL	Ik	25 kAeff
Max. acceptable backup fuse (branch wiring)		250 A gG
Max. acceptable backup fuse (V-type through wiring)		125 A gG
Operating temperature range	TU	$-40 - +80 \text{ }^\circ\text{C}$
Recommended conductor cross section		25 mm <sup>2</sup>
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (DIN EN 60715)
Max. conductor cross section FM		1,5 mm <sup>2</sup>
Max. switching capacity of remote signal contact		250/2 V/A

### Order Data

Product	PP BCD IT-NO 25/75/FM
Article-No.	37 39 85