

- Technical Data Sheet: LPI NE100

- Encapsulated Spark Gap Technology (Non-venting type – no need for safety distances)
- Surge Rating 100kA 10/350µs, 150kA 8/20µs
- 35mm DIN rail mount



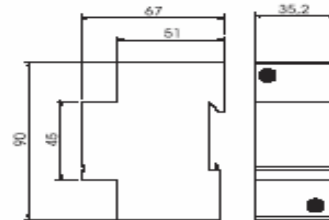
LPI® N-E High Energy Surge Protective Device: LPI NE100

- Product Description

The LPI®NE100 lightning arrester is intended for applications in unmeasured parts of electrical installations within the Lightning Protection Zones Concept at the boundaries LPZ 0_{A(B)} -1 (according to IEC 1312-1).

The LPI®NE100 lightning arresters are constructed as encapsulated (Non-venting) chamber carbon spark gaps with high values of self-extinguishing follow currents.

The LPI NE100 is a single pole Neutral – Earth high energy protection device to protect electronic equipment from lightning current surges.



- Technical Data

Application:	N-E protection meeting IEC 61643	
Ordering Code:		LPI NE100
Surge Rating (10/350µs):	I _{imp}	100kA
Nominal voltage:	U _N	230V/50Hz
Max. continuous operating voltage:	U _C	255V/50Hz
Insulation resistance:	R _i	>1000MΩ
Follow current extinguishing capability at U _C :	I _f	<100A _{rms}
Voltage protection level at I _{imp} :	U _P	<1.5kV
Charge:	Q	50As
Specific energy:	W/R	2500kJ/Ω
Response time:	t _A	<100ns
Operating temperature range:		-40 to +80°C
Recommended cross-section of connected conductors: (at 4Nm clamping force):		50mm ² (solid) or 35mm ² (flexible)
Protection type:		IP20
Mounting:		DIN rail 35mm
Housing material:		SLOVAMID 6FRC2
Colour:		Blue
Weight:		231g
Warranty:		5 Years



- LPI has a policy of continuing product development. Therefore, the above specifications are subject to change without notice.

LPI® - Comprehensive Lightning and Surge Protection Solutions



Direct Strike Protection



Surge & Transient Protection for Power, Data, Communications and RF lines



Earthing Products & Solutions

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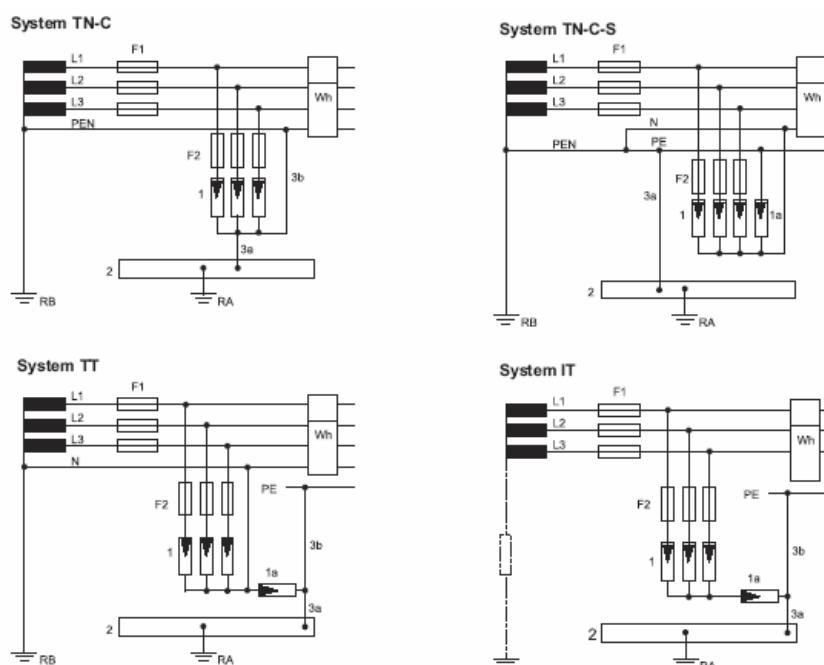
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- **Application of LPI NE100 for Different Power Distribution Systems:**



Legend:

- 1 LPI Surge Diverters (SD) or LPI Spark Gaps (SG) version.
- 1a Single carbon spark gap LPI NE100.
- 2 Main equipotential bus bar.
- 3a, 3b Grounding wires for arresters.
- F1 Main back-up fuse of service main.
- F2 Recommended back-up fuse 315AgL/gG.
- RA Equipment grounding.
- RB Grounding system.

- **Connections**

Recommended conductor size	35mm ²
Recommended terminal torque	4Nm

- **Warranty**

This product is guaranteed to be free from materials and workmanship defects for a period of 5 years from the date of shipment from the manufacturer. This warranty does not offer any cover for consequential damage, loss of operation or loss of profit.