

75 YEARS OF INNOVATION.

Eltako
1949 - 2024



ONE SYSTEM. ALL REQUIREMENTS. COMPLETELY PROTECTED.

The MUA series from ELTAKO: Surge protection from the mains inlet to the terminal device – for every network. For every distribution. For every situation.

MUA-100 Type 1+2+3 and MUA-50 Type 1+2+3 – full protection from building entry.

- One device for all systems (TN-S / TN-C / TT)
Universally applicable for TT, TN-S, and TN-C systems
- Combined Type 1+2+3 protection function
- Standard-compliant pulse current withstand capability of 12.5 kA
- Optical status indicator
- Replaceable plug-in modules

Additionally for the MUA-100:

- Connection terminal for N/PEN conductors directly on the device
- Universal for busbar sizes 5 mm and 10 mm
- With control fuse module, ideal for modern meter boards:
Safe feedback terminals at MUA-100

MUA-30 Type 1+2 and MUA-20 Type 2 – Reliable protection – exactly where it is needed.

MUA-30 Type 1+2

- **Short response time (25 ns)**
→ Reliable protection against transient voltage spikes
- Combined lightning current and surge protection device Type 1+2
- Optical status indicator
- Replaceable plug-in modules

MUA-20 Type 2

- **Short response time (25 ns)**
→ Reliable protection against transient voltage spikes
- Type 2 surge arrester
- Optical status indicator
- Replaceable plug-in modules

PRODUCT COMPARISON MUA COMBINED AND SURGE ARRESTERS



Feature / Function	MUA-100	MUA-50	MUA-30	MUA-20
Type 1 – Lightning current	✓	✓	✓	–
Type 2 – Switching surge / remote lightning	✓	✓	✓	✓
Type 3 – Fine protection	✓	✓	✓	✓
Surge current resistance ($I_{imp} \geq 12,5 \text{ kA}$)	✓	✓	–	–
Max. discharge current ($I_{max} \geq 50 \text{ kA}$)	✓	✓	✓	–
Nominal discharge current ($I_n \geq 20 \text{ kA}$)	✓	✓	✓	✓
Protection level $\leq 1,5 \text{ kV}$	✓	✓	✓	✓
Response time $\leq 25 \text{ ns}$	✓	✓	✓	✓
Required for large consumers (Examples: PV systems, EV chargers, heat pumps)	✓	✓	✓	–
Location: Main distribution board	✓	✓	✓	–
Location: Sub-distribution board	–	✓	✓	✓
Can be used with external lightning protection	✓	✓	✓	–
Mounting: Busbar (5/10 mm)	✓	–	–	–
Mounting: DIN rail (TH35)	–	✓	✓	✓
Width (modules)	3 modules	4 modules	4 modules	4 modules
Replaceable SPD modules	✓	✓	✓	✓
Status indicator (visual)	✓	✓	✓	✓
TÜV certification available	✓	✓	–	–
Use in TN-S systems	✓	✓	✓	✓
Use in TN-C systems	✓	✓	–	–
Use in TT systems	✓	✓	✓	✓
Optional fuse module available	✓	–	–	–

Type	MUA-100	MUA-50	MUA-30	MUA-20	SM/MUA-100
Art. No.	28380000	28380001	28380002	28380003	28380004
Price	215,00 €	150,00 €	133,33 €	108,33 €	25,00 €



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