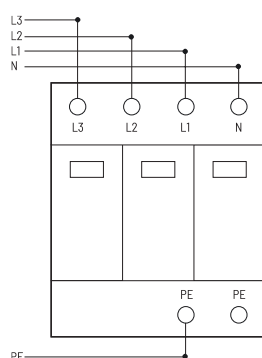




### Typical connection



Manuals and documents in further languages:  
<https://eltako.com/redirect/MUA-30>

## MUA-30

Modular device for DIN-EN 60715 TH35 rail mounting.

4 modules = 72 mm wide.

**The modular combined arrester reliably protects electrical systems against transient overvoltages.**

Combines lightning current and overvoltage protection in one device. Ideal for **TN/TT** networks with increased protection requirements. Design, simple DIN rail mounting, and modular construction enable quick installation and maintenance.

**Combines protection classes Type 1+2+3 in one device**, providing reliable protection against the effects of direct lightning strikes as well as transient overvoltages throughout the building.

**According to DIN VDE 0100-443/534**, the use of an MUA-30 is **mandatory if**, for example, **the cable length between the main and sub-distribution exceeds 10 meters**.

If external lightning protection is present, a protection staging is required:

Type 1 in the main distribution (e.g., MUA-100, MUA-50)

Type 2 in the sub-distribution (e.g., MUA-30, MUA-20)

A Type 2 arrester in the sub-distribution is only required if the cable length to the main distribution with installed Type 1+2+3 exceeds 10 meters.

### TECHNICAL DATA

TECHNICAL DATA	
Earthing system	TN/TT
Nominal voltage $U_n$	230/400 V
Maximum operating voltage $U_c$	275 V
Nominal discharge current $I_n$	30 kA
Nominal discharge current $I_{max}$	60 kA
Impulse discharge current $I_{imp}$	7.5 kA/pol
Protection level at $I_n$ $U_p$	$\leq 1.5$ kV
Response time $T_A$	$\leq 25$ ns
Overcurrent protection (max.)	160 A gL/gG
Short circuit strength at max. overcurrent $I_p$	25 kA
Insulation resistance $R_{isol}$	$> 10^3$ MΩ
Degree of protection	IP20
EN 61643-11 Performance characteristics	Type 1+2+3
IEC 61643-1	Class 1+2+3
VDE 06756	B+C
according to DIN 43880	4 modules
Terminals	35 mm <sup>2</sup>

MUA-30	Modular surge arrester Type 1+2+3 DIN rail mounting	Art. No. 28380002	133,33 €/pc.
Repl.: EM/MUA-30	Replacement module for MUA-30	Art. No. 28380008	20,00 €/pc.

### Selection Guide

Application scenario	Recommended arrester
Sub-distribution without external lightning protection, cable < 10 m	MUA-20
Sub-distribution with sensitive electronics, cable > 10 m	MUA-30 or MUA-50
Main distribution without external lightning protection	MUA-30
Main distribution with external lightning protection	MUA-50
Busbar system with external lightning protection	MUA-100