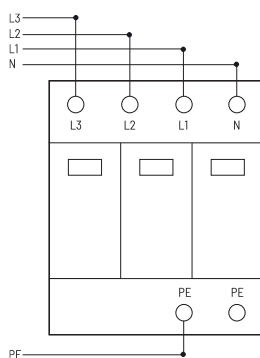




Typical connection



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

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	≤ 1.5 kV
Response time T_A	≤ 25 ns
Overcurrent protection (max.)	160 A gL/gG
Short circuit strength at max. overcurrent I_p	25 kA
Insulation resistance R_{isol}	$> 10^3$ M Ω
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 ²

MUA-30	Modular surge arrester Type 1+2+3 DIN rail mounting	Art. No. 28380002	141,33 €/pc.
Repl.: EM/MUA-30	Replacement module for MUA-30	Art. No. 28380008	21,20 €/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 and without external lightning protection	MUA-50
Busbar system with and without external lightning protection	MUA-100