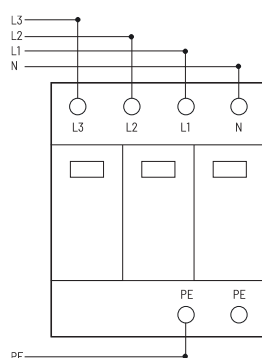




Typical connection



Manuals and documents in further languages:
<https://eltako.com/redirect/MUA-20>

MUA-20

Modular device for DIN-EN 60715 TH35 rail mounting.

4 modules = 72 mm wide.

The modular surge arrester reliably protects electrical systems against transient overvoltages.

Protects **TN and TT systems** from switching overvoltages and indirect lightning effects. Compact design, simple DIN rail mounting, and modular construction enable quick installation and maintenance.

Provides **Type 2+3 protection** and reliably safeguards against transient overvoltages caused by switching operations or distant lightning strikes.

According to DIN VDE 0100-443/534, the use of an MUA-20 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 grading 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 necessary if the cable length to the main distribution with installed Type 1+2+3 exceeds 10 meters.

TECHNICAL DATA

Earthling system	TN/TT
Nominal voltage U_n	230/400 V
Maximum operating voltage U_c	275 V
Nominal discharge current I_n	20 kA
Maximum discharge current I_{max}	40 kA
Protection level at I_n U_p	≤ 1.2 kV
Response time T_A	≤ 25 ns
Overcurrent protection (max.)	125 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 2+3
IEC 61643-1	Class 2+3
VDE 06756	C
according to DIN 43880	4 modules
Terminals	35 mm ²

MUA-20	Modular surge arrester Type 2+3 DIN rail mounting	Art. No. 28380003	114,83 €/pc.
Repl.: EM/MUA-20	Replacement module for MUA-20	Art. No. 28380009	15,90 €/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