

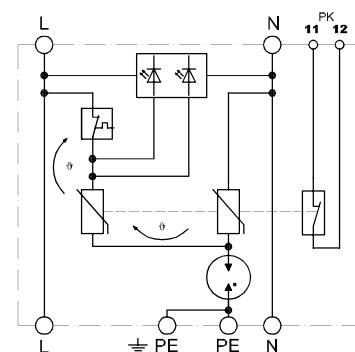
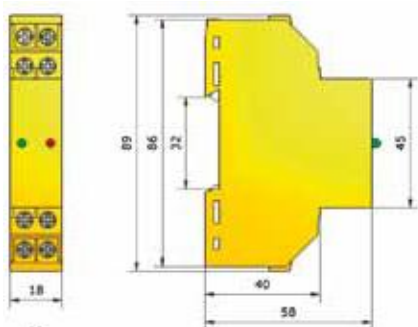
Class II+III (T2+T3) Surge Arresters

Equipment Protection with an Increased Discharge Capacity

EnerPro 220Tr/20kA

Two-pole compact SPD with a discharge capacity of 20 kA (8/20 μ s) and disconnection device without interruption of the power supply (red LED)

- Leakage current-free
- Optional potential-free remote signalling contact



Basic circuit diagram

Technical Data	EnerPro 220Tr/20kA
Nominal alternating voltage (UN)	230 V~
Max. continuous operating alternating voltage (Uc)	275 V~
Nominal current (IL)	16 A
Max. acceptable fuse or back-up fuse	16 A gL/gG A
Protection level L-N (Up)	≤ 1.2 kV
Protection level L/N-PE (Up)	≤ 1.4 kV
Response time L-N / L,N-PE (tA)	≤ 25/≤ 50 ns
Nominal discharge current (8/20 μ s) {L(N)-PE} (In)	20 kA
Critical discharge current (8/20 μ s) (Imax)	20 kA
Operating temperature range (TU)	-25 – +85 °C
Max. conductor cross section	2.5 solid / 1.5 stranded or fine-stranded with sleeve mm ²
Recommended conductor cross section	1.5 / 2.5 mm ²
Enclosure material / colour	polycarbonate (halogen-free) UL94-V0 / yellow
Casting compound	polyurethane
Mounting on	35 mm DIN rail (DIN EN 50 022)
Net weight / pc	103 g

Order Data	
Product	EnerPro 220Tr/20kA
Ordering part no.	38 20 22

Technical Data and Order Data	EnerPro 220Tr/20kA/PK
FM contact / contact type	break contact
Switching capacity	250 / 2 V/A
Product	EnerPro 220Tr/20kA/PK
Ordering part no.	38 20 23