

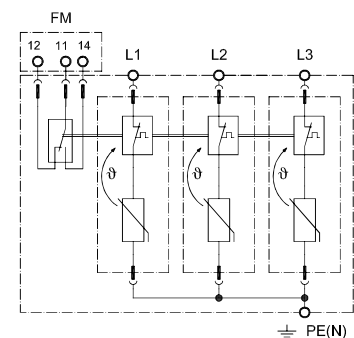
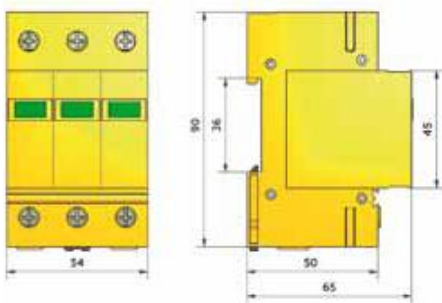
Class II (T2) Surge Arresters, pluggable

EnerPro C S, TN-C, TN-S and TT Systems

EnerPro C S TNC

Pluggable 3-pole surge arrester, e.g. for 3-phase TN-C systems.

- Optional remote signalling contact (FM)



Basic circuit diagram

Technical Data	EP C S TNC 275	EP C S TNC 350
Nominal alternating voltage (UN)	230 V~	230 V~
Max. continuous operating alternating voltage (Uc)	275 V~	350 V~
Max. continuous direct voltage (Uc)	350 V	460 V
Max. acceptable fuse or back-up fuse	125 A gL/gG A	125 AgL/gG A
Protection level at 5 kA (8/20 μs) (Uas)	≤ 0.9 kV	≤ 1.2 kV
Protection level at In (8/20 μs) (Up)	≤ 1.2 kV	≤ 1.4 kV
Response time (tA)	≤ 25 ns	≤ 25 ns
Nominal discharge current (8/20 μs) (In)	20 kA	20 kA
Max. impulse discharge current (8/20 μs) (Imax)	40 kA	40 kA
Short-circuit withstand capability at max. back-up fuse, 50 Hz (Ik)	35 kA	25 kA
Operating temperature range (TU)	-40 — +80 °C	-40 — +80 °C
Min./max. conductor cross section according to ISO	single-wire 10/50, stranded and fine-stranded 10/35 mm ²	10/25 mm ²
Conductor insulation stripping length	14 mm	14 mm
Recommended conductor cross section	25 mm ²	25 mm ²
Max. connection torque for terminals	4 Nm	4 Nm
Degree of protection (IEC EN 60529)	IP 20	IP 20
Enclosure material / colour	polyamide PA 6 30SV, UL94 V0 / yellow	polyamide PA 6 30SV, UL94 V0 / yellow
Mounting on	35 mm DIN rail (DIN EN 50 022)	35 mm DIN rail (DIN EN 50 022)
Net weight / pc	367 g	500 g

Order Data

Product	EP C S TNC 275	EP C S TNC 350
Ordering part no.	38 10 30	38 56 40

Technical Data and Order Data

	EP C S TNC 275/FM	EP C S TNC 350/FM
FM contact / contact type	changeover contact	changeover contact
Switching capacity	ac: 250/0.5 dc: 250/0.1 V/A	ac: 250/0.5 dc: 250/0.1 V/A
Product	EP C S TNC 275/FM	EP C S TNC 350/FM
Ordering part no.	38 10 35	38 56 50