

Acoustic signalling device for CombiController V 25-B+C/AS and SurgeController V 20-C/AS

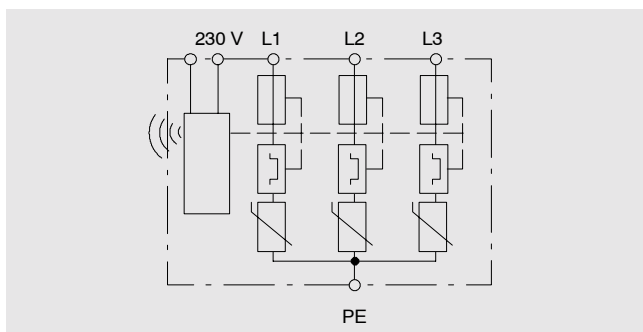


Operation and fields of application

Acoustic signalling is a safety component which permanently checks the serviceability of arresters and indicates a fault by means of a warning tone. Constant self-checking of the arrester fitted with this monitoring module provides unbeatable safety – even without visual inspection. The device is ideal wherever optical signalling does not appear rational or feasible. Examples are dwelling houses, agricultural buildings, banks, office and administration buildings, and so on.

The control module starts an acoustic alarm immediately after the operation of an isolating device. The alarm takes the form of a high-frequency warning tone which can be heard at a considerable distance. In addition, a red LED flashes on the monitoring module.

The warning tone can be silenced for the next 24 hours by operating a black switch. When the faulty device has been replaced, a green LED indicates that the arrester block is working properly.

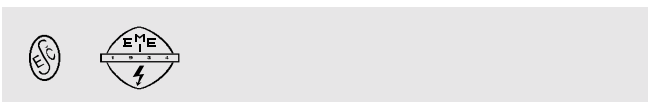


Block diagram of OBO V 20-C/3-AS

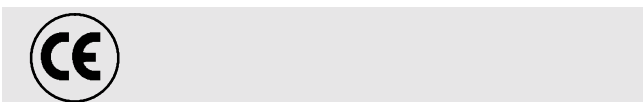
Mounting

The monitoring module has user-friendly screwless terminals. Installation cost is very low. The arresters are mounted on a top-hat rail in the distribution board.

Test marks



Other marks



Technical data

Signalling device OBO V 25-B+C/AS or V 20-C/AS monitoring module		
Nominal voltage	U_N	230 V / 50-60 Hz
Maximum continuous operating voltage	U_C	250 V
Rated load current	I_L	40 mA
Connection cross-section single-stranded, multi-stranded, fine-stranded fine-stranded with: core end sleeve, pin cable lug, crimp sleeve		0.14-2.5 mm ²
Stripping length for connecting cables		6-7 mm
Mounting		Snap-fitting on 35 mm top-hat rail to DIN EN 50022
Subject to technical alterations		

Ordering data

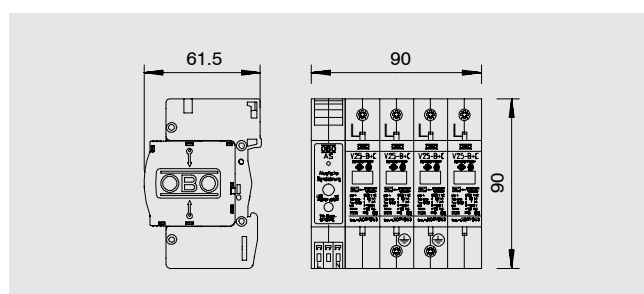
Type	Description	Order no.
V 25-B+C/3-AS	3-pole complete ¹⁾ with AS ³⁾ ; 280 V	5097 18 5
V 25-B+C/4-AS	4-pole complete ¹⁾ with AS ³⁾ ; 280 V	5097 19 3

Type	Description	Order no.
V 20-C/2-AS	2-pole complete ¹⁾ with AS ³⁾ ; 280 V	5096 37 5
V 20-C/3-AS	3-pole complete ¹⁾ with AS ³⁾ ; 280 V	5096 38 3
V 20-C/4-AS	4-pole complete ¹⁾ with AS ³⁾ ; 280 V	5096 39 1
V 20-C/U-2-AS	2-pole base ²⁾ with AS ³⁾	5096 41 3
V 20-C/U-3-AS	3-pole base ²⁾ with AS ³⁾	5096 42 1
V 20-C/U-4-AS	4-pole base ²⁾ with AS ³⁾	5096 44 8

1) Complete = upper part and base

2) Suitable for V 25-B+C and V 20-C

3) AS = acoustic signalling



Versions of V 25-B+C/...-AS and V 20-C/...-AS for other voltages are available on request.

Features at a glance V 25-B/AS, V 20-C/AS

Advantages in use

High-frequency warning tone	▶ Perceived immediately as a warning signal
Muting switch with repeat action	▶ Can be used in office buildings with poor access
Modular construction	▶ No additional wiring - saves time
Spatial separation between signalling device and arrester	▶ Prevents mutual influence