

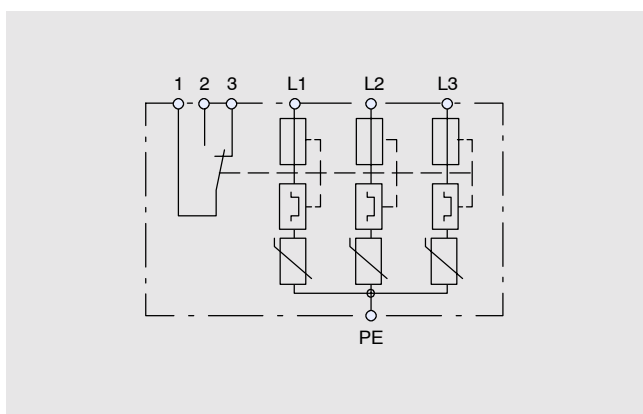
## Signalling device for CombiController V 25-B+C/FS and SurgeController V 20-C/FS



### Operation and fields of application

Remote signalling allows central monitoring of the serviceability of lightning arresters and surge arresters, even when the devices cannot be observed directly or are installed where access is difficult.

A monitoring module is installed at each arrester block to provide a constant check that all the connected arresters are ready to operate. If an arrester fails, a mechanism passes a command to the micro-switch in the monitoring module. This fault signal is then passed to the remote indicating unit, where the fault is indicated optically or acoustically.

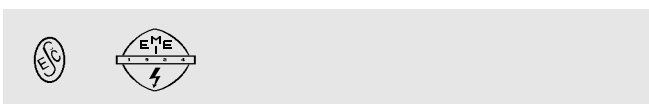


Block diagram of OBO V 20-C/3-FS

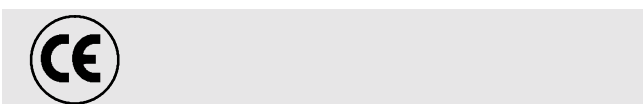
### Mounting

The device is installed by snap-fitting to any standard commercial 35 mm top-hat rail. The monitoring unit is easily and quickly installed by means of screwless terminals.

### Test marks



### Other marks



## Technical data

Signalling device OBO V 25-B+C/FS or V 20-C/FS monitoring module		
Max. switching voltage	$U_{\sim \max.}$	$\leq 250 \text{ V}$
Max. switching current	$I_{\sim \max.}$	6 A
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 <sup>2</sup>
Stripping length for connecting cables		6-7 mm
Signal contact	NO (make) NC (break)	1-2 1-3
Mounting		Snap-fitting on 35 mm top-hat rail to DIN EN 50022
Subject to technical alterations		

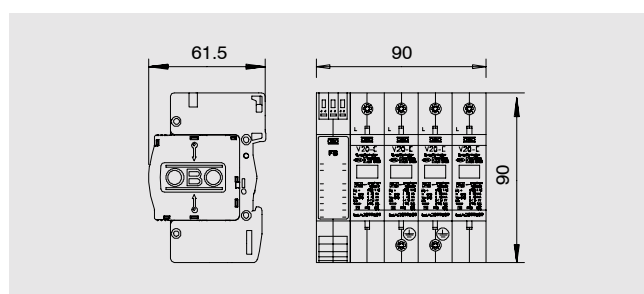
## Ordering data

Type	Description	Order no.
<b>V 25-B+C/3-FS</b>	3-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5097 13 4</b>
<b>V 25-B+C/4-FS</b>	4-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5097 14 2</b>
<b>V 25-B+C/3+NPE-FS</b>	3+1-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5097 42 8</b>
<b>V 25-B+C/4-FS-G</b>	4-pole upper part and base with FS <sup>3)</sup> in insulating material housing (IP 65)	<b>5097 31 2</b>
Type	Description	Order no.
<b>V 20-C/1-FS</b>	1-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5096 00 6</b>
<b>V 20-C/2-FS</b>	2-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5096 01 4</b>
<b>V 20-C/3-FS</b>	3-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5096 02 2</b>
<b>V 20-C/4-FS</b>	4-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5096 03 0</b>
<b>V 20-C/1+NPE-FS</b>	1+1-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5095 65 4</b>
<b>V 20-C/3+NPE-FS</b>	3+1-pole complete <sup>1)</sup> with FS <sup>3)</sup> ; 280 V	<b>5095 67 0</b>
<b>V 20-C/3-FS-385</b>	3-pole complete <sup>1)</sup> ; with FS <sup>3)</sup> ; 385 V	<b>5095 98 0</b>
<b>V 20-C/4-FS-385</b>	4-pole complete <sup>1)</sup> ; with FS <sup>3)</sup> ; 385 V	<b>5095 99 9</b>
<b>V 20-C/3+NPE-385</b>	3+1-pole complete <sup>1)</sup> ; 385 V	<b>5095 73 5</b>
<b>V 20-C/U-1-FS</b>	1-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5096 30 8</b>
<b>V 20-C/U-2-FS</b>	2-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5096 31 6</b>
<b>V 20-C/U-3-FS</b>	3-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5096 32 4</b>
<b>V 20-C/U-4-FS</b>	4-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5096 33 2</b>
<b>V 20-C/U-1+NPE-FS</b>	1+1-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5095 84 0</b>
<b>V 20-C/U-3+NPE-FS</b>	3+1-pole base <sup>2)</sup> with FS <sup>3)</sup>	<b>5095 85 9</b>
<b>V 20-C/U-PH-FS</b>	3-pole base <sup>2)</sup> ; photovoltaic installations, remote signalling	<b>5096 63 4</b>

<sup>1)</sup> Complete = upper part and base

<sup>2)</sup> Suitable for V 25-B+C and V 20-C

<sup>3)</sup> FS = remote signalling



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

### Features at a glance V 25-B+C/FS, V 20-C/FS

### Advantages in use

Floating contact

▶ Voltage level at the signalling device can be freely defined

Changeover contact

▶ Can be used as NO or NC (make or break) contact

Modular construction (only one switch)

▶ No additional wiring needed, saving time

Spatial separation between signalling device and arrester

▶ Prevents mutual influence