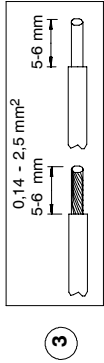
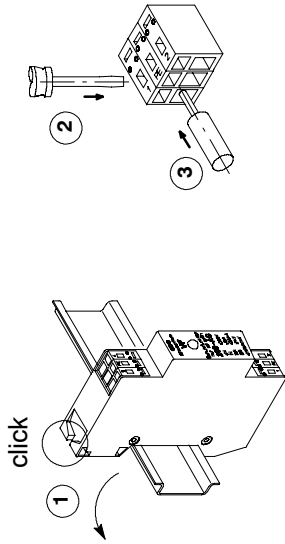


Installation Instruction VF...AC/DC; VF...AC/DC-20; VF...AC/DC-FS; VF 230 AC-FS

VF ...AC/DC

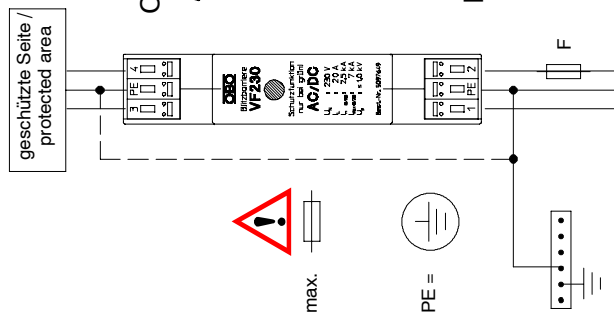


3

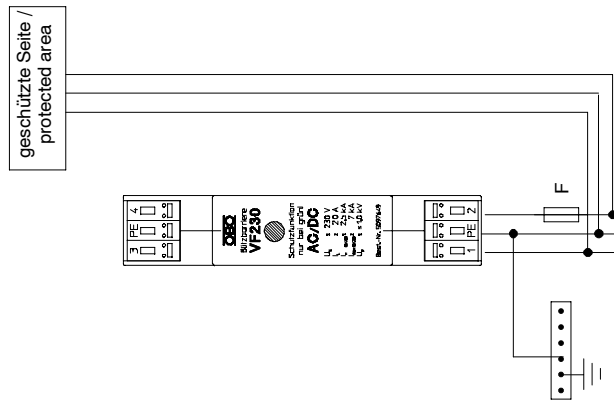
Technical Data / Technische Daten

| Typ VF ... | 12-AC/DC | 24-AC/DC | 48-AC/DC | 60-AC/DC | 110-AC/DC | 230-AC/DC | 230-AC-FS |
|-------------------------|-----------------|----------|----------|----------|-----------|-----------|-----------|
| U _N | 12 | 24 | 48 | 60 | 110 | 230 | 230 |
| U _{C AC} | 13,5 | 34 | 60 | 80 | 150 | 255 | 255 |
| U _{C DC} | 18 | 46 | 80 | 110 | 200 | 350 | - |
| LPZ | LPZ 2->3 | | | | | | |
| I _L | 20 A | | | | | | |
| max. | 20 A | | | | | | |
| I _{N (8/20)} | 700 A | | | 2000 A | | | |
| I _{max (8/20)} | 2000 A | | | 6500 A | | | |
| U _{p3-4} | ≤ 110 V | ≤ 130 V | ≤ 220 V | ≤ 280 V | ≤ 500 V | ≤ 1000 V | ≤ 1000 V |
| U °C | -40 °C - +80 °C | | | | | | |

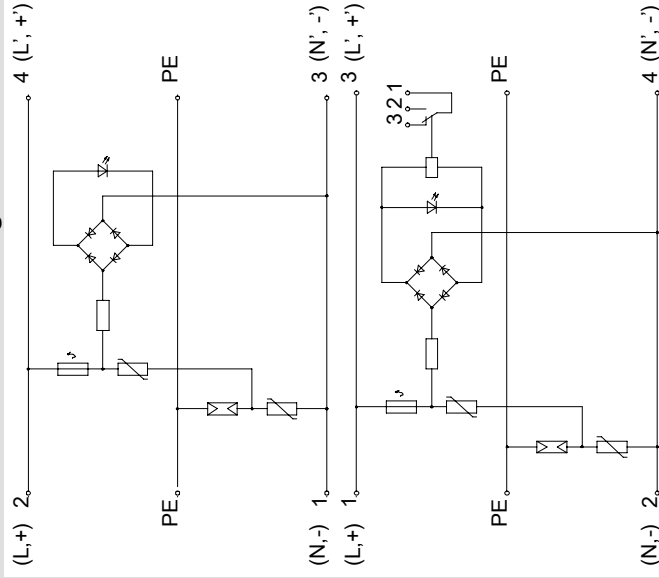
Anschluss / Connection seriell



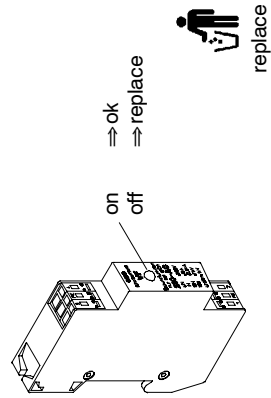
parallel



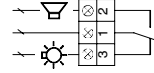
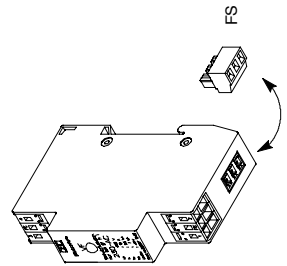
Blockschaltbild / Block diagram



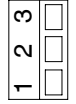
Indication



VF...-FS



I_{max}: 2A ~
U_{max}: 250 V(AC)
220 V(DC)
P_{max}: 125 VA, 60 W



Safety instructions

Head Office OBO BETTERMANN GmbH & Co.

Postfach 1120 · 56694 Menden, Germany
Hüngsberg Ring 52 · D-58710 Menden
Tel. +49 (0)2373-89-0 Fax +49 (0)2373-89-238
E-Mail: info@obo.de · www.obo-bettermann.com

Technical Hotline

+49 (0)2373/89-1500
+49 (0)2373/89-1550
+49 (0)2373/89-238
E-Mail: hotline@obo.de