Surge Protection Devices

2020
Type classes of surge protective devices

**MCF**

- Type 1 + 2 SPD: Imp = 25 kA per pole and up to 100 kA in total
- Compact design, only 105 mm wide
- Protection level: < 1.5 kV
- Safe up to mains following current of 50 kA
- Quality according to IEC 61643-11 certified by an external testing institute
- System protection up to 315 A usable without separate fusing
- Remote signaling, potential-free changeover (RS)
- Operating instructions always available online via QR code

**V50**

- Type 1 + 2 SPD: Imp = 12.5 kA per pole and up to 50 kA in total
- Protection level: < 1.5 kV
- Quality according to IEC 61643-11 certified by an external testing institute
- System protection up to 160 A usable without separate fusing
- Locking function with vibration protection
- Optional remote signaling, potential-free changeover (RS)
- Variants in one to four-pole versions
- Operating instructions always available online via QR code

**V20**

- Type 2 SPD: In = 20 kA (L-N) and up to 40 kA per pole
- Protection level: < 1.5 kV
- Exceeds the increased requirements according to IEC 60364-4-44
- Quality according to IEC 61643-11 certified by an external testing institute
- Locking function with vibration protection
- System protection up to 160 A usable without separate fusing
- Optional remote signaling, potential-free changeover (RS)
- Variants in one to four-pole versions
- Operating instructions always available online via QR code
Type 1 + 2 combination arrestor
Used at the feed point of the building.

MCF Compact
Lightning protection class 1-4
Fulfills the requirement to 100 kA (10/350) per SPD

Type 1 + 2 combination arrestor.
Used at the feed point of the building.

V50
Lightning protection class 3-4
Fulfills the requirement to 50 kA (10/350) per SPD

Type 2 surge protection
They are used in the main distributor and in sub-distributors/switching cabinets.

V20
Fulfills the requirement to 40 kA (8/20) per pole
## Surge Protection Device Selection Chart

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Type 1</th>
<th>Type 2</th>
<th>Single Phase</th>
<th>Three Phase</th>
<th>Remote Signal</th>
<th>NPE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCF100-3-NPE-FS</td>
<td>MCF TYPE 1+2 3P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MCF75-3-FS</td>
<td>MCF TYPE 1+2 3P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>V50-1-280</td>
<td>V50 TYPE 1+2 1P</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V50-1-FS-280</td>
<td>V50 TYPE 1+2 1P+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-1-NPE-280</td>
<td>V50 TYPE 1+2 1P+NPE</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-1-NPE-FS-280</td>
<td>V50 TYPE 1+2 1P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-3-280</td>
<td>V50 TYPE 1+2 3P</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-3-FS-280</td>
<td>V50 TYPE 1+2 3P+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-3-NPE-280</td>
<td>V50 TYPE 1+2 3P+NPE</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V50-3-NPE-FS-280</td>
<td>V50 TYPE 1+2 3P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V20-1-280</td>
<td>V20 TYPE 2 1P</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V20-1-FS-280</td>
<td>V20 TYPE 2 1P+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V20-1-NPE-280</td>
<td>V20 TYPE 2 1P+NPE</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V20-1-NPE-FS-280</td>
<td>V20 TYPE 2 1P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V20-3-280</td>
<td>V20 TYPE 2 3P</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V20-3-FS-280</td>
<td>V20 TYPE 2 3P+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>V20-3-NPE-280</td>
<td>V20 TYPE 2 3P+NPE</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V20-3-NPE-FS-280</td>
<td>V20 TYPE 2 3P+NPE+SIGNAL</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

*Neutral - Potential Earth Protection

---

**Supported with an industry leading 5 year warranty**

**Fully certified for global and Australian requirements**

---

**Part No. OBOSCAT**

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where shown, may not be to scale. Dimensions are metric and size may approximate. Where possible data sheets including AEDs are made available on our website and APPs. All products should be installed and used in accordance to manufacturer’s instruction provided.

Warning: products may be subject of registered designs and patents. Refer to our website or APPs for terms and conditions on warranty. Every effort has been made to ensure accuracy of content. However no liability will be met by CABAC or its suppliers for any errors or omissions. Product data and information is no binding. All brands and logos are registered trademarks and are subject to copyright laws. No part of this catalogue can be reproduced without the consent of CABAC. The ‘One Call, One Day, One Delivery’ does not cover the following items: CABCHEM, Cast Resin Kits, Custom Manufacturing & Kitting, Cabinets, Ladders, Pits & Pillars, CABTRAY and Branch Stock Orders.

---

**DISTRIBUTED BY**

133 122 | cabac.com.au