On the safe side with OBO

with surge protection in the power-side connection compartment (NAR)

- Only 50 mm wide
  Optionally with remote signalling
- Solutions up to the highest lightning protection level (LPL I)
- Type 1+2 surge protection for mounting on 40 mm busbar system
- Screw fastening secures permanent contact to the busbar
- Matching adapter for voltage tapping

Building Connections
MCF-NAR\textsuperscript{1}
Combination arrester, type 1+2

- Tested according to VDE 0675-6-11 (EN 61643-11)
- Mounting on 40 mm busbars in TN and TT systems
- Protection level ≤1.5 kV to protect terminals, coordinated use with type 3 SPD possible
- Lightning protection equipotential bonding according to VDE 0185-305 (IEC 62305)
- Lightning current discharge capacity up to 75 kA (10/350) 3-pole and up to 100 kA (10/350) 3+NPE
- Fulfils the requirements of VDE 0100-534 (IEC 60364-5-53)
- Follow current interrupt rating up to 50 kA and max. backup fuse up to 315 A gL/gG
- Visual display without power consumption
- Fulfils the requirements for use in the main power supply system in front of the meter

MCF-NAR-SMG\textsuperscript{2}
Adapter for voltage tapping in mains-side connection compartment

- Simple, space-saving voltage tapping for APZ\textsuperscript{3} and RIZ\textsuperscript{4} according to VDE-AR-N 4100
- For all MCF-NAR devices: simply plug in, secure and you’re done
- With spring terminals for simple wire connection
- Including plug sockets for RIZ and APZ
- Securing screw against unintentional release
- Microfuse max. 5 A, with a switch-off capacity of 25 kA
- Replaceable fuse

\textsuperscript{1} NAR = Power-side connection compartment
\textsuperscript{2} SMG = Smart Meter Gateway
\textsuperscript{3} APZ = demarcation point meter panel
\textsuperscript{4} RIZ = Space for additional applications

MCF-NAR-SMG 5096 90 0
Use in the mains-side connection compartment according to VDE-AR-N 4100

The use of the surge protective devices and the optional adapter ideally meet the requirements of VDE-AR-N 4100 for surge protection and the planned voltage tapping at a width of only 50 mm in the mains-side connection compartment.

All the surge protective devices of the series as an overview

<table>
<thead>
<tr>
<th>Application in the building</th>
<th>Power system/ version for</th>
<th>Remote signalling</th>
<th>$I_{\text{imp}}$ (10/350)</th>
<th>Max. fuse</th>
<th>Type</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without lightning protection system</td>
<td>TN-C/3-pin</td>
<td>×</td>
<td>25 kA</td>
<td>160 A gL/gG</td>
<td>MCF25-NAR-TNC</td>
<td>5096 95 0</td>
</tr>
<tr>
<td></td>
<td>TN-C/3-pin</td>
<td>✓</td>
<td>25 kA</td>
<td>160 A gL/gG</td>
<td>MCF25-NAR-TNC+FS</td>
<td>5096 95 3</td>
</tr>
<tr>
<td>With exposed cable supply</td>
<td>TT and TN-S/3+NPE</td>
<td>×</td>
<td>30 kA</td>
<td>160 A gL/gG</td>
<td>MCF30-NAR-TT</td>
<td>5096 96 1</td>
</tr>
<tr>
<td></td>
<td>TT and TN-S/3+NPE</td>
<td>✓</td>
<td>30 kA</td>
<td>160 A gL/gG</td>
<td>MCF30-NAR-TT+FS</td>
<td>5096 96 3</td>
</tr>
<tr>
<td>With lightning protection system (FPC 3+4)</td>
<td>TN-C/3-pin</td>
<td>×</td>
<td>38 kA</td>
<td>160 A gL/gG</td>
<td>MCF38-NAR-TNC</td>
<td>5096 97 1</td>
</tr>
<tr>
<td></td>
<td>TN-C/3-pin</td>
<td>✓</td>
<td>38 kA</td>
<td>160 A gL/gG</td>
<td>MCF38-NAR-TNC+FS</td>
<td>5096 97 3</td>
</tr>
<tr>
<td></td>
<td>TT and TN-S/3+NPE</td>
<td>×</td>
<td>50 kA</td>
<td>160 A gL/gG</td>
<td>MCF50-NAR-TT</td>
<td>5096 97 5</td>
</tr>
<tr>
<td></td>
<td>TT and TN-S/3+NPE</td>
<td>✓</td>
<td>50 kA</td>
<td>160 A gL/gG</td>
<td>MCF50-NAR-TT+FS</td>
<td>5096 97 7</td>
</tr>
<tr>
<td>With lightning protection system (FPC 1+2)</td>
<td>TN-C/3-pin</td>
<td>×</td>
<td>75 kA</td>
<td>315 A gL/gG</td>
<td>MCF75-NAR-TNC</td>
<td>5096 98 2</td>
</tr>
<tr>
<td></td>
<td>TN-C/3-pin</td>
<td>✓</td>
<td>75 kA</td>
<td>315 A gL/gG</td>
<td>MCF75-NAR-TNC+FS</td>
<td>5096 98 3</td>
</tr>
<tr>
<td></td>
<td>TT and TN-S/3+NPE</td>
<td>×</td>
<td>100 kA</td>
<td>315 A gL/gG</td>
<td>MCF100-NAR-TT</td>
<td>5096 98 5</td>
</tr>
<tr>
<td></td>
<td>TT and TN-S/3+NPE</td>
<td>✓</td>
<td>100 kA</td>
<td>315 A gL/gG</td>
<td>MCF100-NAR-TT+FS</td>
<td>5096 98 8</td>
</tr>
</tbody>
</table>

FS = Potential-free remote signalling (NO/NC)
OBO Bettermann Holding GmbH & Co.KG
Hüngser Ring 52
58710 Menden

Customer Service
Tel.:+49 23 73 89 - 17 00
Fax: +49 23 73 89 - 12 38
export@obo.de

www.obo-bettermann.com

Building Connections