

On the safe side with OBO

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

According to the IEC/EN standards
IEC 60364-4-44
IEC 60364-5-53
surge protection is frequently mandatory.



T1 T2 

- 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

OBO
BETTERMANN

MCF-NAR¹

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-SMG²

Adapter for voltage tapping in mains-side connection compartment



- Simple, space-saving voltage tapping for APZ³ and RfZ⁴ 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 RfZ and APZ
- Securing screw against unintentional release
- Microfuse max. 5 A, with a switch-off capacity of 25 kA
- Replaceable fuse

¹ NAR = Power-side connection compartment

² SMG = Smart Meter Gateway

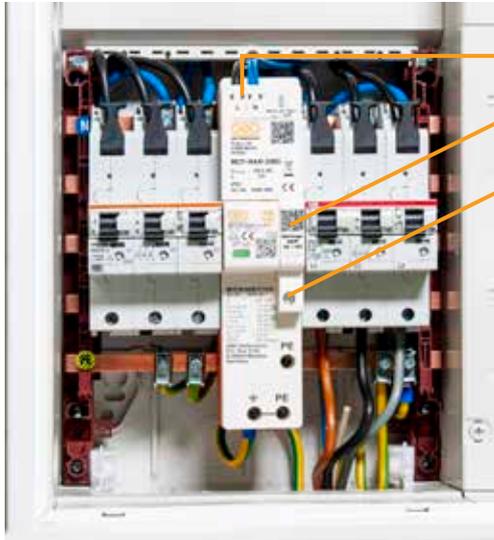
³ APZ = demarcation point meter panel

⁴ RfZ = 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.



- Cable connection using spring terminals
- Instructions always available via QR code
- Fastening secured with only one screw



Two plug sockets for the termination of the cables in the APZ and RfZ are contained in the scope of delivery. Connection cables are to be created in the correct length and secured against earth fault and short-circuit according to VDE-AR-N 4100

All the surge protective devices of the series as an overview

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

FS = Potential-free remote signalling (NO/NC)

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Building Connections

