

# Surge Protection Devices

2020



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# MCF T1 T2 🚣 🎟

- 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



- 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

- T2 🚰 🎼
- 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.



Office, commercial and residential buildings



# **V50**

Lightning protection class 3-4

Fulfills the requirement to 50 kA (10/350) per SPD



### **Type 2 surge protection**

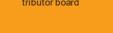
They are used in the main distributor and in sub-distributors/ switching cabinets.



#### and residential buildings

tributor board





#### **V20** Fulfills the requirement to 40 kA (8/20) per pole





Type 1: For protection against nearby lightning strikes



Type 2: For protection against switching operations and distant lightning strikes



Type 3: For added protection to sensitive equipment

## **Surge Protection Device Selection Chart**

Part No.	Description	Type 1	Type 2	Single Phase	Three Phase	Remote Signal	NPE*
MCF100-3-NPE-FS	MCF TYPE 1+2 3P+NPE+SIGNAL	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$
MCF75-3-FS	MCF TYPE 1+2 3P+NPE+SIGNAL	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	
V50-1-280	V50 TYPE 1+2 1P	$\checkmark$		$\checkmark$			
V50-1-FS-280	V50 TYPE 1+2 1P+SIGNAL	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	
V50-1-NPE-280	V50 TYPE 1+2 1P+NPE	$\checkmark$	$\checkmark$	V			$\checkmark$
V50-1-NPE-FS-280	V50 TYPE 1+2 1P+NPE+SIGNAL	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$
V50-3-280	V50 TYPE 1+2 3P	$\checkmark$	$\checkmark$		$\checkmark$		
V50-3-FS-280	V50 TYPE 1+2 3P+SIGNAL	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	
V50-3-NPE-280	V50 TYPE 1+2 3P+NPE	$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$
V50-3-NPE-FS-280	V50 TYPE 1+2 3P+NPE+SIGNAL	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$
V20-1-280	V20 TYPE 2 1P		$\checkmark$	$\checkmark$			
V20-1-FS-280	V20 TYPE 2 1P+SIGNAL		$\checkmark$	$\checkmark$		$\checkmark$	
V20-1-NPE-280	V20 TYPE 2 1P+NPE		$\checkmark$	$\checkmark$			$\checkmark$
V20-1-NPE-FS-280	V20 TYPE 2 1P+NPE+SIGNAL		$\checkmark$	V		$\checkmark$	$\checkmark$
V20-3-280	V20 TYPE 2 3P		$\checkmark$		$\checkmark$		
V20-3-FS-280	V20 TYPE 2 3P+SIGNAL		$\checkmark$		$\checkmark$	$\checkmark$	
V20-3-NPE-280	V20 TYPE 2 3P+NPE		$\checkmark$		$\checkmark$		$\checkmark$
V20-3-NPE-FS-280	V20 TYPE 2 3P+NPE+SIGNAL		$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$

\*Neutral - Potential Earth Protection

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



Fully certified for global and Australian requirements





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#### Part No. OBOSCAT

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