SURGE PROTECTION







THE NEW POWER PACKS.

SURGE PROTECTION FOR INDUSTRY.

Building Connections

OBO BETTERMANN

OBO power packs:
Surge protection for industry

In the industrial sector, surge damage can quickly lead to production downtime, and in some cases significant costs. However, this can be avoided, for example with OBO power packs – our surge protection solutions for industry. In industrial environments, large quantities of energy meet complex systems and high availability requirements. Especially demanding applications require especially robust solutions: OBO solutions increase system availability and are designed specifically for harsh environments and increased requirements. They are third-party tested and comply with all relevant standards. The range also covers 400/690 V applications, for example for PV systems and wind power plants in demanding energy infrastructures across the globe.

MCF-P series: Surge protection T1+2+3 for maximum lightning protection requirements
- State-of-the-art for 230/400 V: 35 kA (10/350) per pole 100 kA (10/350) total (NPE)
- Leakage current-free and suitable for use in front of the meter (important for complying with applicable standards and regulations in some countries). It can be used up to 315 A without a pre-fuse.

MC/MCF-C series: Surge protection T1+2 for 400/690 V industrial application
- As phase arrester (25 kA) or NPE version (100 kA)
- Can be used up to 315 A without a pre-fuse

KNX 24 D
- Surge protection for KNX BUS cable
- D1, C2 and C3 acc. to IEC/EN 61643-21

V10-3+1+FS-300-M: Combination arrester T2+3 230/400 V Mini
- Optimised space-saving installation, including for installation in charging stations
- Can be installed on 35 mm DIN rail

OBO V20-CF
- T2+T3 surge protection and integrated fuse in tight spaces
- Simultaneous monitoring: Surge protective device and integrated fuse
- Universal application for TN and TT system



A selection of our new products

In industry, an all-round surge protection solution also includes surge protection in the tightest of spaces. For example, surge protection is also necessary and required in charging stations, on KNX control units or in CCTV surveillance systems. The OBO portfolio offers just the right solutions:

- For industrial applications with high safety requirements up to lightning protection class 1, including in TN-C systems
- Function monitoring for fuse and surge protection
- Optimised protection level
- New type 2+3 surge protection with CF technology = integrated pre-fuse = less space required, higher system availability



Lightning current arrester T1+T2+T3

Type	Remote signalling	Class	Arresting capacity	Nominal voltage	Protection level	Item no.
MCF-P-3+NPE	No	T1+T2+T3	35/100 kA (10/350)	255 V	1,500 V	**5096947**
MCF-P-3+NPE+FS	Yes	T1+T2+T3	35/100 kA (10/350)	255 V	1,500 V	**5096948**
MCF-P-3	No	T1+T2+T3	35/100 kA (10/350)	255 V	1,500 V	**5096945**
MCF-P-3+FS	Yes	T1+T2+T3	35/100 kA (10/350)	255 V	1,500 V	**5096946**



Basis protection for KNX devices

Type	Remote signalling	Class	Arresting capacity	Nominal voltage	Protection level	Item no.
KNX 24 DC	No	D1, C2, C3	1 kA / 5 kA	24 V DC	600 V / 1,000 V	**5080291**



Surge protection T2+T3 for e.g. installation in a charging station

Type	Remote signalling	Class	Arresting capacity	Nominal voltage	Protection level	Item no.
V10-3+1+FS-M	Yes	T2, T3	10 kA	255 V	1,500 V	**5094946**



Lightning current arrester T1+T2

Type	Remote signalling	Class	Arresting capacity	Nominal voltage	Protection level	Item no.
MCF-C-440	No	T1+T2	25 kA (10/350)	440 V	2,500 V	**5096915**
MCF-C+FS-440	Yes	T1+T2	25 kA (10/350)	440 V	2,500 V	**5096917**
MC-C-NPE-440	No	T1+T2	100 kA (10/350)	440 V	2,500 V	**5096920**
MC-C-NPE+FS-440	Yes	T1+T2	100 kA (10/350)	440 V	2,500 V	**5096922**



Copper bridge for TNC

Type	Dimension	Acces-sories	Spare part	Type of accessory Accessory for surge protection energy technology	Item no.
KB MCF-CF 3	35.8 mm	Yes	No	Bridge	**5089666**



Copper bridge for TN-S and TT

Type	Dimension	Acces-sories	Spare part	Type of accessory Accessory for surge protection energy technology	Item no.
KB MCF-CF 4	35.8 mm	Yes	No	Bridge	**5089667**



Surge protective device V20 T2+T3 with integrated pre-fuse

Type	Remote signalling	Class	Arresting capacity	Nominal voltage	Protection level	Item no.
V20-CF-3+1FS-300	Yes	T2+3	20/40/65 kA (8/20)	230/400 V	1,500 V	**5095257**

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