Surge protection

Type 1+2+3 SPD for universal use

Type 1+2+3 combined lightning current and surge arresters
Meeting high lightning protection requirements

With the new FLT-MB combined lightning current and surge arresters at the feed-in point of your low-voltage electrical installation, you can rest easy when thunder and lightning rolls in. The protective devices are ideal for use in industrial, residential, and functional buildings. Thanks to the compact spark gap technology, lightning currents are handled safely and surge voltages are limited, thus providing optimum protection for your system. Energy coordination with downstream surge protective devices from Phoenix Contact is of course ensured.

Protection in every control cabinet

with compact spark gap technology

Always informed

with the mechanical status indicator

Integration into control engineering

with floating remote indication contact

Applications and fields of use

Universal, compact, and safe

The new type 1+2+3 combined lightning current and surge arrester is recommended for its space-saving design. Both for industrial systems with limited space, as well as for new installations and retrofits in the field of residential and functional buildings. The maximum overall width is 72 mm or four horizontal pitch units.
Developed, tested, and certified in accordance with EN 61643-1 (DIN EN 61643-11), the FLT-MB is perfect for use in all power supply systems with a nominal voltage of 230/400 V AC. Its protective circuit supports universal use in TN and TT systems. Depending on the version, the discharge capacity meets the requirements of all lightning protection classes. Thus, it reliably protects your system from the effects of direct lightning strikes.

The fully encapsulated spark gap, which is free of leakage current and line follow current, limits lightning-related voltage peaks and switching overvoltages to the level of overvoltage category II.
This not only protects the power distribution and the fixed installation within the protection zone, but the end devices too. And thanks to its robust and maintenance-free spark gap, the FLT-MB is also ideal for use in applications in exposed locations and with high lightning density.

Product overview

Suitable for:	**1-phase TN-S or TT system**	**3-phase TN-C system**	**3-phase TN-S or TT system**
Circuit version	1+1 circuit	3+0 circuit	3+1 circuit
Overall width	36 mm (2 HP)	72 mm (4 HP)	72 mm (4 HP)
Discharge capacity	**12.5 kA**		
Type without remote indication contact	FLT-MB-T1-264/12.5-1+1-UT	FLT-MB-T1-264/12.5-3+0-UT	FLT-MB-T1-264/12.5-3+1-UT
Item no.	1380654	1380658	1380661
Type with remote indication contact	FLT-MB-T1-264/12.5-1+1-UT-R	FLT-MB-T1-264/12.5-3+0-UT-R	FLT-MB-T1-264/12.5-3+1-UT-R
Item no.	1380657	1380660	1380667
Discharge capacity	**25 kA**		
Type without remote indication contact	FLT-MB-T1-264/25-1+1-UT	FLT-MB-T1-264/25-3+0-UT	FLT-MB-T1-264/25-3+1-UT
Item no.	1461299	1461301	1461303
Type with remote indication contact	FLT-MB-T1-264/25-1+1-UT-R	FLT-MB-T1-264/25-3+0-UT-R	FLT-MB-T1-264/25-3+1-UT-R
Item no.	1461300	1461302	1461304

Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented products and solutions for the electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network reaching across more than 100 countries with over 20,000 employees, we maintain close relationships with our customers, something we believe is essential for our common success.

Our wide range of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. This especially applies to the target markets of energy, infrastructure, industry, and mobility.

You can find your local partner at

phoenixcontact.com

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