



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.

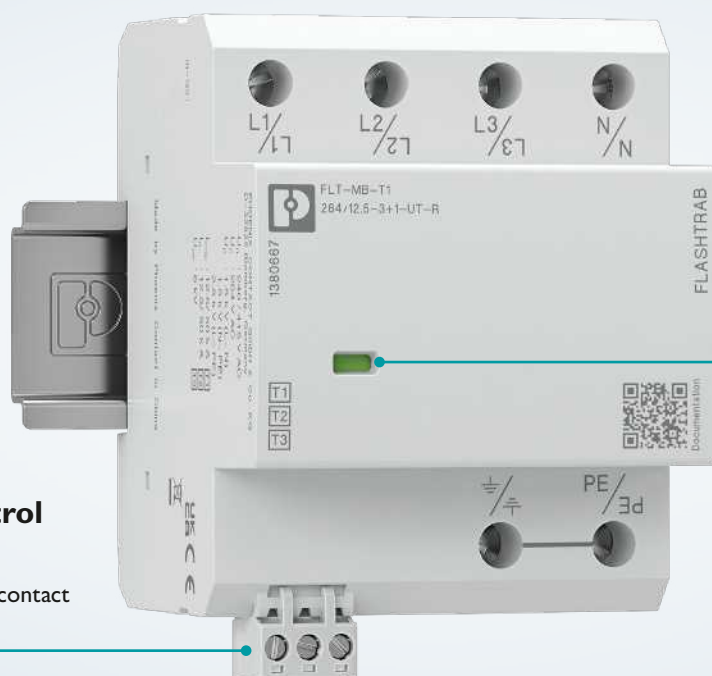
Protection in every control cabinet

with compact spark gap technology

Integration into control engineering

with floating remote indication contact

Always informed
with the mechanical status indicator



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 |

