Overvoltage Protection Devices

Introduction

Overview

Devices		Page	Application	Standards
6:6 6:6 6:6 6:6	5SD7 lightning arresters, type 1	6/3	With plug-in protective modules for TN-C, TN-S and TT systems. Rated voltage 350 V AC for lightning currents from 25 kA to 100 kA. All versions with remote signaling contact. For installation in main distribution boards, upstream or downstream of the counter.	EN 61643-11
	5SD7 combination surge arresters, type 1 and type 2	6/5	With plug-in protective modules for TN-C, TN-S and TT systems. Rated voltage 350 V AC for lightning currents from 25 kA to 100 kA. All versions with remote signaling contact. For installation in main distribution boards downstream of the counter.	EN 61643-11
	5SD7 combination surge arresters, type 1 / type 2	6/7	With plug-in protective modules for TN-C, TN-S and TT systems. Rated voltage 335 V AC for lightning currents or discharge surge currents up to 50 kA. Versions with or without remote signaling.	EN 61643-11
	5SD7 surge arresters, type 2	6/9	With plug-in protective modules for TN-C, TN-S and TT systems. Rated voltage 350 V AC, rated discharge surge current 20 kA and discharge surge current 40 kA. For installation in sub-distribution boards.	EN 61643-11
S S S S S S S S S S S S S S S S S S S	5SD7 surge arresters, type 3	6/13	With plug-in protective modules for single-phase and three-phase systems. Rated voltage, single-phase 24 V, 120 V, 230 V AC and three-phase 230/400 V AC. For installation as close as possible upstream from the terminal equipment.	EN 61643-11
1201_13815	Configuration	6/14	Everything you need to know about overvoltage protection: function, mounting and technical connections.	

Overvoltage Protection Devices

5SD7 lightning arresters, type 1

Overview

Type 1 lightning arresters are the most powerful overvoltage protection. They protect low-voltage systems against any overvoltage or high impulse currents that may be triggered by a direct or indirect lightning strike.

All lightning arresters are fitted with a mechanical fault indication, which does not require an extra power supply.

The lightning conductors can therefore also be used in the precounter area.

The protective modules are available as connectors. The majority of lightning arresters have a remote signaling contact, which signals if the device fails.

Technical specifications

350			
25/75 100			
25/75 100			
1.50			
2.50			
1.50			
50/25 100			
100 100			
315 gL/gG 125 gL/gG			
50			
IP20, with connected conductors			
2.5 25 2.5 35			