

Horizontal Fuse-Switch SILAS Technical Data

Overview

System

All switches from size 000 (the smallest horizontal design Fuse-Switch) to size 3 are currently available on the market. All devices have the same installation depth and are protected against accidental contact. The wide range of accessories offers all users a high level of possibility for modification. The ideally harmonized sizes and matching accessories, as well as a consistent design make the SILAS series one of the most cutting-edge products on the market.

Features

The product line SILAS offers new solutions for the application of the horizontal design Fuse-Switches in power distribution cabinets. The intention was to develop a modular system with high safety standards and easy-to-install busbar mounting.

Product Range Overview

TYPE	SIZE 000	SIZE 00	SIZE 2	SIZE 3
BASE PLATE MOUNTING	•	•	•	•
BUSBAR SYSTEM 60 MM	•	•	•	•
BUSBAR SYSTEM 100 MM			•	•
SUPPORTING RAIL MOUNTING	•	•		
TERMINAL HOUSING COVER	•	•	•	•
LOCKING WINDOW	•	•	•	•
HORIZONTAL INSTALLATION	•	•	•	•

Technical Data acc. to VDE 0660 T107/EN/IEC 60947-3

FOR NH FUSE-LINKS ACC. TO VDE 0636 T201	SIZE	000	00	2	3
RATED OPERATIONAL CURRENT I_E	A	100	160	400	630
CONVENTIONAL FREE AIR THERMIC CURRENT I_{TH}	A	100	160	400	630
RATED OPERATIONAL VOLTAGE U_E	V	690			
RATED INSULATION VOLTAGE U_I	V	1000			
RATED IMPULSE WITHSTAND VOLTAGE U_{IMP}	kV	6	8		
RATED CONDITIONAL SHORT CIRCUIT CURRENT (WHEN PROTECTED BY NH FUSE-LINKS)	kA	80	80	50	80
MECHANICAL DURABILITY	Cycles	2000	1600	1000	1000
DEGREE OF PROTECTION DIN/EN 60529/VDE 0470 T1	IP 3X				
MAXIMUM POWER DISSIPATION OF THE NH FUSE-LINKS	W	7.5	12	34	48
WEIGHT WITHOUT NH FUSE-LINKS	kg	0.54	0.84	3.6	4.1

Conductor Types and Sizes

TYPE OF TERMINAL	CONDUCTOR TYPE	NH 000	NH 00	NH 2	NH 3
MULTIPLE USE TERMINAL (SCREW TERMINAL)		-	M8	M10	M10
FLAT CONDUCTOR	-	-	-	8x32	8x32
	-	-	-	20x32	20x32

Tightening torques for terminal and busbar mounting

SIZE	NH 000	NH 00	NH 2	NH 3
TYPE OF TERMINAL	TIGHTENING TORQUES NM			
MULTIPLE USE TERMINAL (SCREW TERMINAL)	-	12	20	20