

Description Lead-Through Terminal for Surge Protective Devices, SPD-type 2 (Surge Protective Class C), ASLTT-63

- The lead-through terminal permits orderly wiring of SPDs types 2 (Surge Protective Class C). It serves as lead-through terminal in circuits requiring vertical connections from the upper to the lower SPD connection level.
- 1 pole
- Suitable for standard busbar connection to EATON switchgear

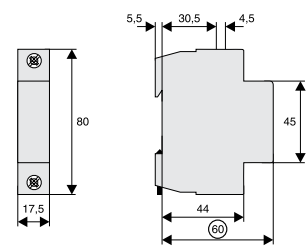
Technical Data

	ASLTT-63
Electrical	
Rated voltage	690 V AC/DC
Rated current	63 A
Rated frequency	50 Hz
Mechanical	
Frame size	45 mm
Device height	80 mm
Device width	17.5 mm
Mounting	quick fastening on DIN rail IEC/EN 60715
Degree of protection, built-in	IP40
Terminal protection	finger and hand touch safe according to DGUV VS3, EN 50274
Upper and lower terminals	Lift- and Maulklemme
Terminal capacity	1 - 25 mm ²
Busbar thickness	0.8 - 2 mm
Tightening torque of terminal screws	2.4 - 3 Nm

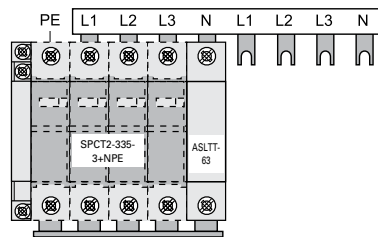
Connection diagram



Dimensions (mm)



Application Example / Connection type 2 according to IEC 60364-5-53 Clause 534



sg03213



Beschreibung

- Test class 3 tested SPD
- Suitable to protect sensitive devices in your installation
- To be placed on a DIN-rail in the near vicinity of sensitive devices
- Auxiliary contact available as accessory

Types

SPD „NPE“

- Galvanic separated SPD path between neutral and protective earth
- Suitable to be placed behind an RCD due to the 1+1 connection



SPDT3-335-1+NPE



SPDT3-280/2

Poles	Max. Continuous Operating Voltage U_c	Type Designation	Article No.	Units per package
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Surge arrester SPDT3

Single phase supply / 1+1 connection

1pole+N	335 VAC	SPDT3-335-1+NPE	170487	1/60
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Single phase supply / 2+0 connection

2pole	280 VAC	SPDT3-280/2	170485	1/60
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Max. Continuous Operating Voltage U_c	Type Designation	Article No.	Units per package
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Surge arrester SPDT3, Insert

Insert (1pole/path)

280 VAC	SPDT3-280	170484	2/120
335 VAC	SPDT3-335	170486	2/120

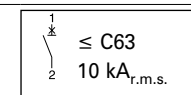
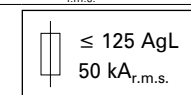
Description Surge Protective Class T3

- Field of application:
For fine protection of user equipment against transient overvoltage
- For mounting on DIN rails in distribution boxes for electrical installation
- No decoupling from upstream surge protection in the low voltage distribution system required
- Test class III according to IEC 61643-11
- SPD-type T3 according to EN 61643-11
- Suitable for high back-up fuse 63 A gL / C 63
- Auxiliary switch ASAXSC-SPM for remote message transmission can be mounted onto the device

Technical Data

	SPDT3-335-1+NPE		SPDT3-280/2	
Mechanical coding	YX		XX	
Responding time (rate of voltage rise 5 kV/μs)	L-N/N-PE/L-PE	< 25ns/< 100ns/< 100ns	L1-L2(N)/L2(N)-PE/L1-PE	< 25ns
Max. continuous operating voltage	U_c	L-N/N-PE 335VAC/260VAC	L1-L2(N)/L2(N)-PE	280VAC
TOV test value	U_T			
5 s	L-N/L-PE	348VAC/416VAC	L-N/L-PE	348VAC/416VAC
200 ms	N-PE	1200VAC	N-PE	1200VAC
Rated frequency		50 Hz		50 Hz
Open circuit voltage	U_{OC}	L-N/N-PE/L-PE 6kV	L1-L2(N)/L2(N)-PE/L1-PE	6kV
Voltage protection level at UOC	U_p	L-N/N-PE/L-PE ≤ 1000V/≤ 1500V/≤ 1000V	L1-L2(N)/L2(N)-PE	≤ 900V
Nominal discharge current (8/20) μs	I_n	L-N/N-PE/L-PE 2.5kA	L1-L2(N)/L2(N)-PE	5kA
Voltage protection level at I_n	U_p	L-N/N-PE/L-PE ≤ 1000V/≤ 1500V/≤ 1000V	L1-L2(N)/L2(N)-PE	≤ 950V
Max. discharge current (8/20) μs	I_{max}	L-N/N-PE/L-PE 10kA	L1-L2(N)/L2(N)-PE/L1-PE	10kA
Follow current interrupt rating	I_{fi}	N-PE 100 A _{r.m.s.}		—

Maximum back-up fuse
Maximum short-circuit current



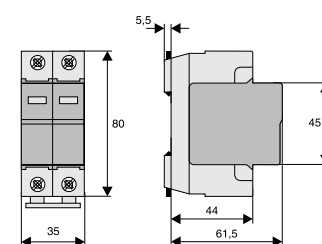
Connection diagram



Mechanical

Mechanical coding of base	YX	XX
Frame size	45 mm	45 mm
Device height	80 mm	80 mm
Device width	35 mm	35 mm
Weight	220 g	220 g
Permitted ambient temperature	-40°C to +70°C	-40°C to +70°C
Degree of protection	IP20	IP20
Upper and lower lift terminal capacity	1 - 25 mm ²	1 - 25 mm ²
Upper and lower open mouthed terminals for busbar thickness up to	1.5 mm	1.5 mm
Tightening torque of terminal screws	2.4 - 3 Nm	2.4 - 3 Nm
Quick fastening on DIN rail according to	IEC/EN 60715	IEC/EN 60715

Dimensions (mm)



Application Examples

