

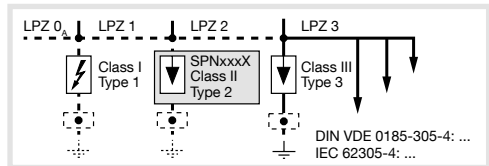
- (FR) Parafoudres
- (EN) Lightning surge arrester
- (DE) Überspannungsableiter
- (IT) Scaricatori
- (ES) Pararrayos
- (PT) Limitador de sobretensões
- (AR) ضد البرق

SPN215D/R, SPN240D/R, SPN265R, SPN415D/R, SPN440D/R, SPN465R

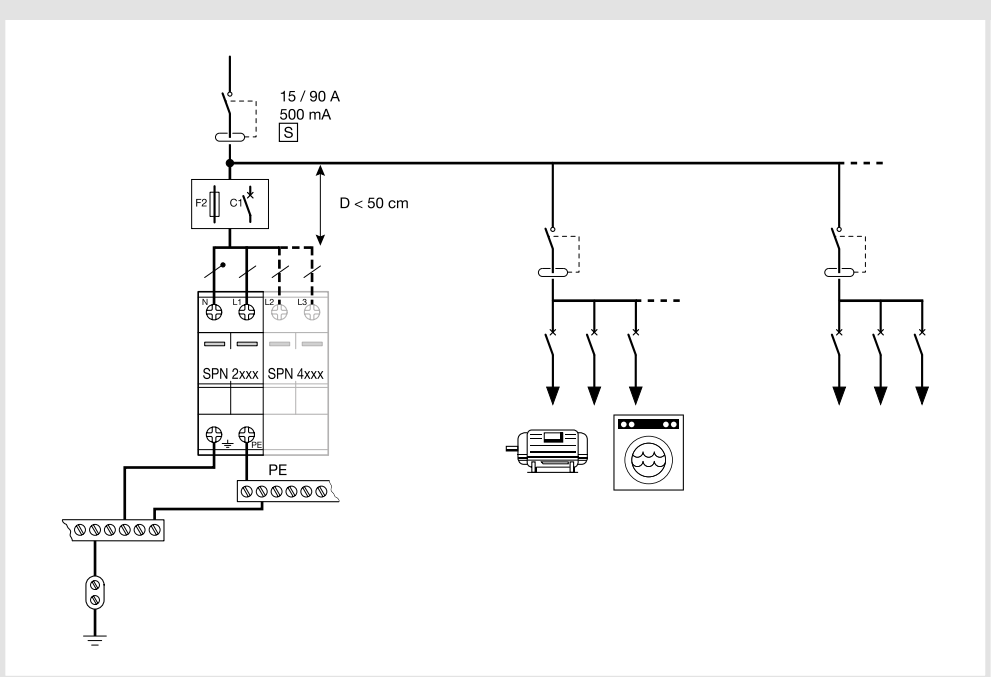
EN 61 643-11 IEC 61 643-11	Type 2 Class II
TT/TN / TNC-S	OK
U_n	230/400 V (50/60 Hz) Tolerance: 0V... U_c
I_{pe}	< 5 μ A
I_{li} (N-PE)	100 A _{rms}
Humidity	5%...95%
θ_c	-40/+55 °C
Ports	1
IP code	20 (built in)
LxWxH	86,5x35x60 mm (SPN2xxD/R) 86,5x70x60 mm (SPN4xxD/R)

	PZ 2 4 Nm		
min. L, N, PE, \neq		2,5 mm ²	
max. L, N, PE, \neq		25 mm ²	35 mm ²

Coordination / Koordination



Indoor use only - There is no distance from the SPD to any earthed conductive surface required



	I_n (8/20 μ s)	I_{max} (8/20 μ s)	U_p	U_c (L-N)	U_c (N-PE)	$C2$ max. hager	F2 max \neq	I_{sccr}	
SPN215D/R SPN415D/R	5 kA	15 kA	≤ 1 kV	275 V (50/60 Hz)	255 V	32 A "C"	125 A gG	10 kA _{rms}	SPN015D/R SPN040N
SPN240D/R SPN440D/R	15 kA	40 kA	$\leq 1,2$ kV	275 V (50/60 Hz)	255 V	32 A "C"	125 A gG	20 kA _{rms}	SPN040D/R SPN040N
SPN265R SPN465R	20 kA	65 kA	$\leq 1,5$ kV	275 V (50/60 Hz)	255 V	32 A "C"	160 A gG	20 kA _{rms}	SPN065R SPN065N

2P **4P**

A		min. 6mm ² Cu		
Type	SPNx15x SPNx40x	SPNx65R	F2 A/gG	F2 A/gG
F1 A/gG	S ₂ mm ²	S ₃ mm ²	F2 A/gG	F2 A/gG
25	4	6	-	-
35	4	6	-	-
40	4	6	-	-
50	6	6	-	-
63	10	10	-	-
80	10	10	-	-
100	16	16	-	-
125	16	16	-	-
160	25	25	125	-
> 160	25	25	125	160

Backup fuse/Vorsicherung

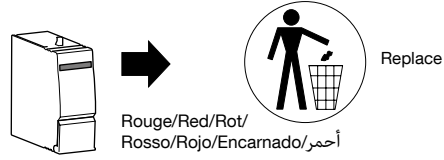
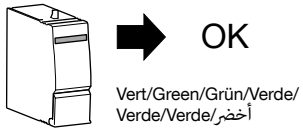
Type	SPNx15D/R SPNx40D/R	SPNx65R
F1	F1 > 125 AgG ↓ F2 ≤ 125 AgG	F1 > 160 AgG ↓ F2 ≤ 160 AgG
F2	F1 ≤ 125 AgG ↓ 	F1 ≤ 160 AgG ↓

Backup MCB

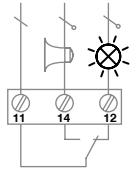
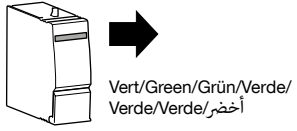
C1	C1 > 32A "C" ↓ C2 ≤ 32A "C"
C2	C1 ≤ 32A "C" ↓

Fault indication

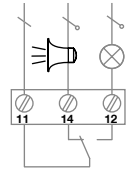
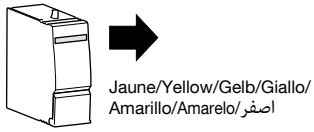
SPN215D, SPN415D, SPN240D, SPN440D



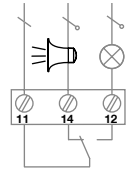
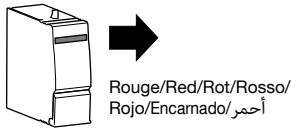
SPN215R, SPN415R, SPN240R, SPN440R, SPN265R, SPN465R



Protection
module
OK



Protection
module
exchange
recommended



Replace

I min.	250 VAC/0,5 A 250 VDC/0,1 A
I max.	125 VDC/0,2 A 75 VDC/0,5 A
1,5 mm ²	

SPN015D/R, SPN040D/R, SPN065R

