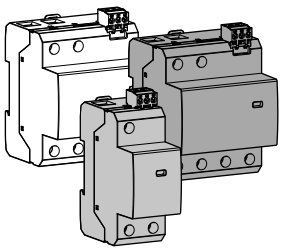
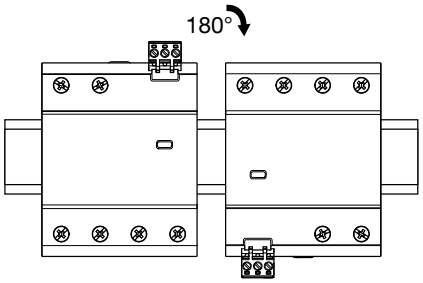
:hager

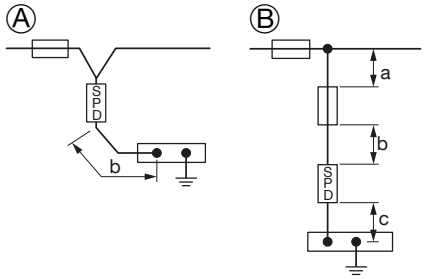
6LE008206Ac/1445831-02 - CO-154466



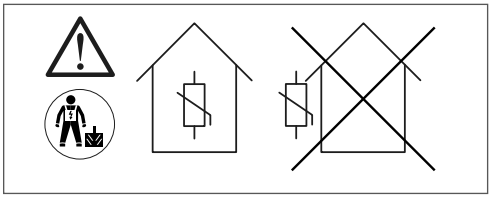
SPA212, SPA412 (TT/TN-S), SPA312 (TN-C)

(DE) Überspannungsableiter
(EN) Surge protective device
(FR) Parafoudre
(PL) Ogranicznik przepięć (SPD)
(PT) Limitador de sobretensão
(CS) Kombinovaný svodič přepětí
(EL) Αντικεραυνικό
(ES) Pararrayos

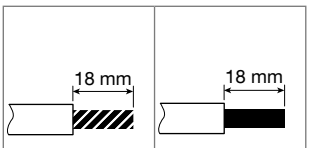




DIN VDE 0100-534 IEC 60364-5-53	Ⓐ	b	≤0,5 m
	Ⓑ	a+b+c	≤0,5 m



3 Nm (2.5 - 16 mm²)
4.5 Nm (25 - 35 mm²)

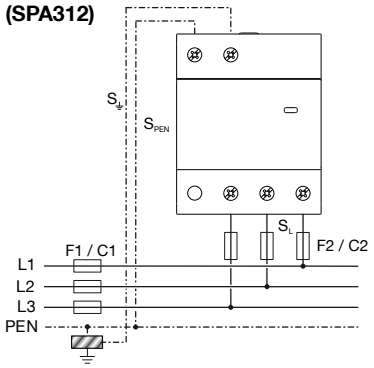


min. L, N, PE, ⏚	2,5 mm²	
max. L, N, PE, ⏚	25 mm²	35 mm²

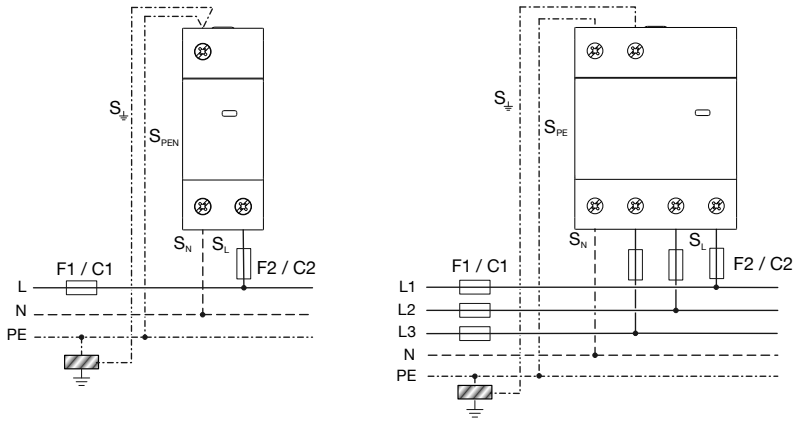
EN 61643-11 IEC 61643-11	T1+T2+T3
U_n	240/415 V (50/60 Hz)
U_c	264 V
Humidity	5 %...95 %
ϑ °C	-40/+85 °C
Ports	1
IP code	20 (built in)
max parallel ⊟	160 A gG
Imax (8/20 µs)	75 kA
U_{oc}	6 kV

	L x W x H (mm)	I_{imp} (10/350 µs) L-N/N-PE	I_n (8/20 µs)	U_p	I_{sccr}	I_{pe}
SPA212	76.6 x 36 x 99	12.5 kA/25 kA	12.5 kA/25 kA	L-N ≤ 1,5 kV N-PE ≤ 1,5 kV	25 kA_{rms} I_{fi} (N-PE) = 100 A_{rms}	< 10 µA
SPA312	76.6 x 72 x 99	12.5 kA	12.5 kA	L-PEN ≤ 1,5 kV	25 kA_{rms}	-
SPA412	76.6 x 72 x 99	12.5 kA/50 kA	12.5 kA/50 kA	L-N ≤ 1,5 kV N-PE ≤ 1,5 kV	25 kA_{rms} I_{fi} (N-PE) = 100 A_{rms}	< 10 µA

TNC (SPA312)



TT/TNS (SPA212, SPA412)



Backup Fuse

F1	F1 ≤ 160 A gG ⬇ F2
F2	F1 > 160 A gG ⬇ F2 ≤ 160 A gG

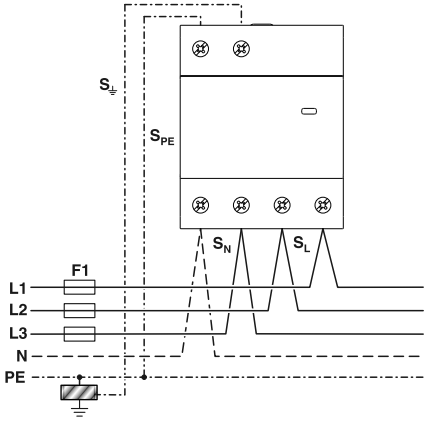
Backup Hager MCCB (P160/x160)
Max Isc = 25 kA

C1	C1 ≤ 160 A ⬇ C2
C2	C1 > 160 A ⬇ C2 = x160 (160 A) or P160 (160 A)

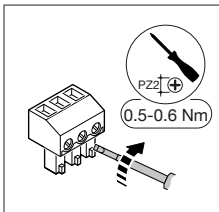
F1/C1 A/gG	F2/C2 A/gG	$S_L = S_N$ mm²	$S_{PE(N)}/S_⏚$ mm²
25		6	16
35		6	16
40		6	16
50		10	16
63		10	16
80		10	16
100		10	16
125		16	16
160		25	25
>160	160	25	25

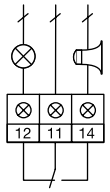
Hager Electro S.A.S., Boulevard d'Europe, B.P. 3, 67215 OBERNAI CEDEX, France - www.hager.com

V-Type Connection



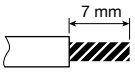
F1 A/gG	$S_L = S_N$ mm²	$S_{\perp}$ mm²	$S_{PE(N)}$ mm²
25 40	6 6	16 16	10 10
50	10	16	10
63 80	16 16	16 16	16 16

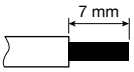


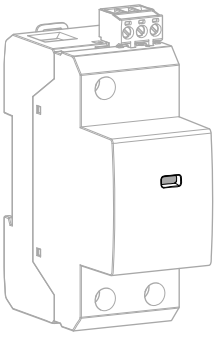


U max./I max. AC :	250V/1A
U max./I max. DC :	125V/1A

0,2-2,5mm²
AWG 24-12







Grün/Green/Vert/Zielony/
Verde/Zelená/πράσινο/Verde

OK

Rot/Red/Rouge/Czerwony/
Vermelho/Červená/κόκκινο/Rojo

~~OK~~ **Replace**

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