



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#)

## Surge protection and interference filters

### Surge protection for the power supply unit

#### Type 1+2 lightning/surge arrester combination

##### FLASHTRAB compact

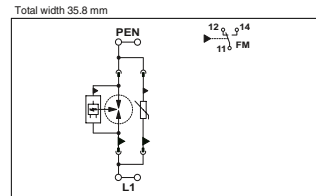
- Seamless pluggability (even for N/PE spark gap)
- Thermal disconnect device for each individual connector
- Optical, mechanical status indication for the individual arresters
- With floating remote indication contact
- Connectors can be checked with CHECKMASTER
- High continuous voltage of 350 V AC for 230/400 V AC networks with high voltage fluctuations

#### Notes:

For certifications, see page 154



2-conductor system; L, PEN



#### Technical data

<b>Electrical data</b>	
IEC category / EN type	I + II / T1 + T2
Nominal voltage $U_n$	240 V AC (230 V AC ... 240 V AC)
Maximum continuous operating voltage $U_c$	L-N / N-PE / L-PEN 350 V AC / - / 350 V AC
Lightning test curr. $I_{imp}$ (10/350) $\mu$ s	Peak value 25 kA Charge 12.5 As Specific energy 160.00 kJ/ $\Omega$
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	L-N / N-PE / L-PEN 25 kA / - / 25 kA
Follow current quenching capacity $I_f$	L-N / N-PE / L-PEN 25 kA (264 V AC) / - / 25 kA (264 V AC)
Protection level $U_p$	L-N / N-PE / L-PEN $\leq 1.5$ kV / - / $\leq 1.5$ kV
Response time $t_A$	L-N / N-PE / L-PEN $\leq 25$ ns / - / $\leq 25$ ns 315 A (gL / gG) 25 kA
Backup fuse max. in acc. with IEC	25 kA
Immunity to short-circuiting (with max. backup fuse) $I_p$	25 kA
<b>General data</b>	
Dimensions W / H / D	35.8 mm / 95.8 mm / 70 mm
Connection data solid / stranded / AWG	2.5 ... 35 mm <sup>2</sup> / 2.5 ... 25 mm <sup>2</sup> / 13 - 2
Temperature range	-40 °C ... 80 °C
Inflammability class in acc. with UL 94	V0
Test standards	IEC 61643-1 / EN 61643-11 / UL 1449
<b>Remote indication contact</b>	
Connection data solid / stranded / AWG	PDT 0.14 ... 1.5 mm <sup>2</sup> / 0.14 ... 1.5 mm <sup>2</sup> / 28 - 16
Max. operating voltage	250 V AC / 125 V DC
Max. operating current	1 A AC / 200 mA DC

#### Ordering data

Description	Type	Order No.	Pcs. / Pkt.
FLASHTRAB compact 1-pos.	FLT-CP-1C-350	2859741	1

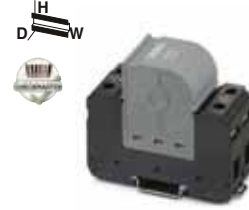
#### Accessories

Replacement connector	Type	Order No.	Pcs. / Pkt.
L-N / L-PEN	FLT-CP-350-ST	2881887	10
N-PE	VAL-CP-350-ST	2859602	10
L-N / L-PEN			

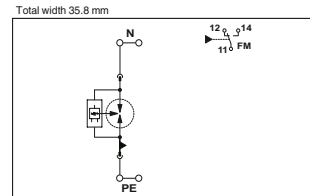
<b>Labeling material</b>	ZBN 18 ... see page 63
--------------------------	------------------------

## Surge protection and interference filters

### Surge protection for the power supply unit



N-PE spark gap, for Lightning Protection Level 1



#### Technical data

<b>Electrical data</b>	
IEC category / EN type	I / T1
Nominal voltage $U_n$	240 V AC (N-PE)
Maximum continuous operating voltage $U_c$	- / 350 V AC / -
Lightning test curr. $I_{imp}$ (10/350) $\mu$ s	Peak value 100 kA Charge 50 As Specific energy 2.50 MJ/ $\Omega$
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	- / 100 kA / -
Follow current quenching capacity $I_f$	- / 100 A / -
Protection level $U_p$	- / $\leq 1.5$ kV / -
Response time $t_A$	- / $\leq 100$ ns / -
Backup fuse max. in acc. with IEC	-
Immunity to short-circuiting (with max. backup fuse) $I_p$	25 kA
<b>General data</b>	
Dimensions W / H / D	35.8 mm / 95.8 mm / 70 mm
Connection data solid / stranded / AWG	2.5 ... 35 mm <sup>2</sup> / 2.5 ... 25 mm <sup>2</sup> / 13 - 2
Temperature range	-40 °C ... 80 °C
Inflammability class in acc. with UL 94	V0
Test standards	IEC 61643-1 / EN 61643-11 / EN 61643-11/A11 / UL 1449
<b>Remote indication contact</b>	
Connection data solid / stranded / AWG	PDT 0.14 ... 1.5 mm <sup>2</sup> / 0.14 ... 1.5 mm <sup>2</sup> / 28 - 16
Max. operating voltage	250 V AC / 125 V DC
Max. operating current	1 A AC / 200 mA DC

#### Ordering data

Description	Type	Order No.	Pcs. / Pkt.
FLASHTRAB compact 1-pos.	FLT-CP-N/PE-350	2859754	1

#### Accessories

Replacement connector	Type	Order No.	Pcs. / Pkt.
N-PE	FLT-CP-N/PE-350-ST	2859686	10

<b>Labeling material</b>	ZBN 18 ... see page 63
--------------------------	------------------------

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Pluggable lightning current and surge arrester combination, in acc. with typ 1+2 / Class I+II / B+C arresters. Arresters coordinated following the AEC principle, for 1-phase power supply networks with PE and N (L1, PEN) installed in one cable.	2859741	FLT-CP-1C-350	<a href="#">Buy on EAN</a>
Encapsulated pluggable Class I arresters as N/PE spark gap with an ignition mechanism for triggering the sparkover voltage.	2859754	FLT-CP-N/PE-350	<a href="#">Buy on EAN</a>
Type 1 / Class I / B arrester (lightning arrester) replacement plug for paths L-N and L-PEN, can be combined with FLASHTRAB compact series of products.	2881887	FLT-CP-350-ST	<a href="#">Buy on EAN</a>