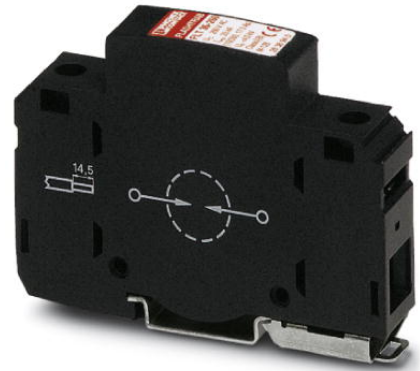



**FLT 35-260**

Order No.: 2800110

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800110>

Type 1 / Class I / B arrester (lightning current arrester) with encapsulated arc chopping spark gap, 1-channel. Housing width: 17.5 mm (1 Div.)

**Commercial data**

GTIN (EAN)	 4 046356 479967
sales group	J011
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 20 (TT-2009)

**Product notes**WEEE/RoHS-compliant since:  
12/12/2008

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

**Technical data****Standards**

Housing material	PA-GF
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	EN 60664-1
	EN 61643-11
Degree of protection	IP20
Mounting type	DIN rail: 35 mm
Design	Rail-mountable module, one-piece
Number of positions	1
Ambient temperature (operation)	-40 °C ... 85 °C
Permissible humidity (operation)	≤ 95 %
Direction of action	1L-N/PE
Width	17.60 mm
Height	65.70 mm
Length	90.00 mm
Pitch unit	1 Div.

**Protective circuit**

IEC category	I
	T1
EN type	T1
Nominal voltage $U_N$	230 V AC (400 V AC)
Arrester rated voltage $U_C$ (L-N)	350 V AC
Arrester rated voltage $U_C$ (L-PE)	350 V AC
Arrester rated voltage $U_C$ (L-PEN)	350 V AC
$U_T$ (TOV-proof)	350 V (5 sec.)
Nominal frequency $f_N$	50 Hz
	60 Hz
Ground conductor current $I_{PE}$	≤ 0.1 mA
Standby power consumption $P_c$	≤ 35 mVA
Max. discharge surge current $I_{max}$ (8/20) $\mu$ s	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (L-N)	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (L-PE)	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (L-PEN)	35 kA
Lightning test current (10/350) $\mu$ s, charge	17.5 As
Lightning test current (10/350) $\mu$ s, specific energy	306.00 kJ/ $\Omega$

Lightning test current (10/350) $\mu$ s, peak value $I_{imp}$	35 kA
Impulse operate voltage at 6 kV (1.2/50) $\mu$ s	$\leq 5$ kV
Protection level $U_p$	$\leq 5$ kV
Protection level $U_p$ (L-N)	$\leq 5$ kV
Protection level $U_p$ (L-PE)	$\leq 5$ kV
Protection level $U_p$ (L-PEN)	$\leq 5$ kV
Response time	$\leq 100$ ns
Response time (L-N)	$\leq 100$ ns
Response time (L-PE)	$\leq 100$ ns
Response time (L-N)	$\leq 100$ ns
Max. required backup fuse with branch wiring	400 A (gL)
Short-circuit resistance $I_p$ with max. backup fuse (effective)	25 kA
Follow current quenching capacity $I_f$	3 kA (260 V AC) 1.5 kA (350 V AC)
Follow current quenching capacity $I_f$ (L-N)	1.5 kA
Follow current quenching capacity $I_f$ (L-PE)	1.5 kA

**Connection, protective circuit**

Type of connection	Screw connection
Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
Connection method	Biconnect terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	25 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	2

**Standards**

Standards/regulations	IEC 61643-1 2005
	EN 61643-11/A11 2007

**Certificates / Approvals**



Certification

GOST, KEMA

**Accessories**

Item	Designation	Description
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**Assembly**

1201442	E/UK	End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail
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**Bridges**

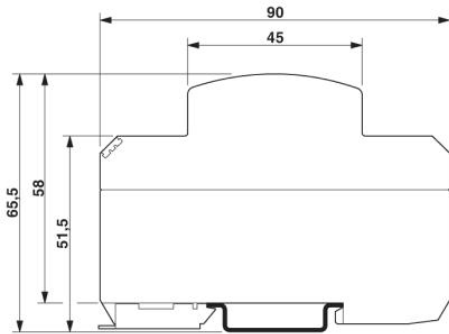
2809209	MPB 18/1- 2	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.
2809212	MPB 18/1- 3	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 3-pos.
2809225	MPB 18/1- 4	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 4-pos.
2748564	MPB 18/1- 6	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 6-pos.
2748577	MPB 18/1- 8	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 8-pos.
2748580	MPB 18/1- 9	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 9-pos.
2748593	MPB 18/1-12	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.
2809238	MPB 18/1-57	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

**Marking**

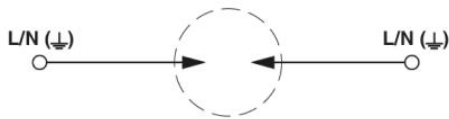
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
2749589	ZBN 18,LGS:ERDE	Marking labels, printed horizontally, strips with 5 labels, GND (grounding symbol), color: White
2749576	ZBN 18,LGS:L1-N,ERDE	Marker labels, printed horizontally, strips with 5 labels, L1, L2, L3, N, GND, color: white
2809128	ZBN 18:UNBEDRUCKT	Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White

## Diagrams/Drawings

### Dimensioned drawing



### Circuit diagram



**Address**

Phoenix Contact  
Rua Gino Cesaro  
BR-05038-140 Sao Paulo-SP / 169 - Água  
Branca,Brazil  
Phone +55/11/3871-6400  
Fax +55/11/3871-6401  
<http://www.phoenixcontact.com.br>



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