


# POWERSET BC/3+1/FM

Order No.: 2858111



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2858111>

AEC arrester combination consisting of 3 x FLT 35 CTRL-0.9, 3 x VAL-MS 230/FM and 1 x FLT 50N/PE CTR-1.5, incl. bridges and labeling

Commercial data	
GTIN (EAN)	 4 017918 834845
Note	Made-to-order
sales group	J001
Pack	1 pcs.
Customs tariff	85363030
Catalog page information	Page 19 (TT-2002)

### Product notes

WEEE/RoHS-compliant since:  
05/08/2006



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## Technical data

Standards	
Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Degree of protection	IP20
Mounting type	DIN rail: 35 mm

Design	DIN rail module, two-section, divisible
Message: Surge protection fault	Optical (Type 2 arrester), remote indication contact (Type 2 arrester)
Direction of action	3L-N & N-PE
Width	123.90 mm
Height	65.50 mm
Length	112.40 mm
Pitch unit	7 Div.

#### Protective circuit

IEC category	I + II
EN type	T1 + T2
Nominal voltage $U_N$	230 V AC 230 V AC ... 400 V AC
Arrester rated voltage $U_c$ (L-PE)	260 V AC
Lightning test current (10/350) $\mu$ s, charge	25 As
Lightning test current (10/350) $\mu$ s, specific energy	625.00 kJ/ $\Omega$
Lightning test current (10/350) $\mu$ s, peak value $I_{imp}$	60 kA
Protection level $U_p$ (L-N)	$\leq 0.9$ kV
Protection level $U_p$ (L-PE)	$\leq 1.5$ kV
Protection level $U_p$ (N-PE)	$\leq 1.5$ kV
Max. required backup fuse with branch wiring	125 A (gL)
Short-circuit current self-quenching	3 kA (260 V)

#### Connection, protective circuit

Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
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

#### Remote indicator contact

Connection name	Remote fault indicator contact
Switching function	PDT contact

Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16

**Certificates / Approvals**



Certification GOST

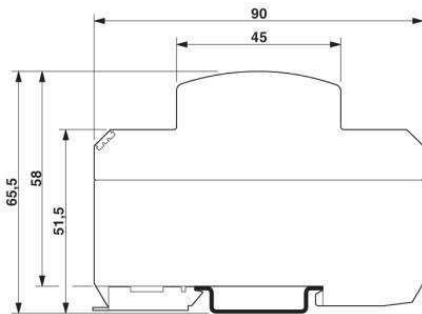
**Accessories**

Item	Designation	Description
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray

**Assembly**

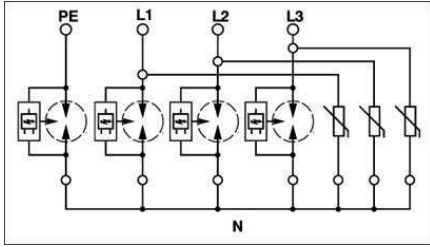
**Diagrams/Drawings**

Dimensioned drawing



Circuit diagram

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