

POWERSET BC/3+1-100/FM/PLUS - Type 1/2 surge protection device



2858975

<https://www.phoenixcontact.com/us/products/2858975>

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AEC arrester combination consisting of 3 x FLT-PLUS CTRL 1,5, 3 x VAL-MS 400/FM and 1 x FLT 100N/PE CTRL-1,5, including bridges and labeling

Commercial data

Item number	2858975
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CL1221
GTIN	4017918911089
Weight per piece (including packing)	2,353.8 g
Weight per piece (excluding packing)	2,267.82 g
Customs tariff number	85363030
Country of origin	DE

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Technical data

Product properties

IEC test classification	I + II
EN type	T1 + T2
Type	DIN rail module, two-section, divisible
Surge protection fault message	Optical (Type 2 arrester), remote indication contact (Type 2 arrester)

Electrical properties

Nominal voltage U_N	230 V AC
	400 V AC

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact

Connection data

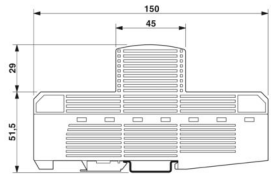
FLT...

Screw thread	M6
Tightening torque, min	8 Nm
Stripping length	19 mm
Conductor cross-section flexible min.	16 mm ²
Conductor cross-section flexible max.	35 mm ²
Conductor cross-section, rigid min.	10 mm ²
Conductor cross-section, rigid max.	50 mm ²

Remote fault indicator contact

Conductor cross-section flexible min.	0.14 mm ²
Conductor cross-section flexible max.	1.5 mm ²
Conductor cross-section, rigid min.	0.14 mm ²
Conductor cross-section, rigid max.	1.5 mm ²

Dimensions

Dimensional drawing	
Width	194.6 mm
Height	153.5 mm

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Depth	80.5 mm
Horizontal pitch	9 Div.

Material specifications

Housing material	PBT/PA-F/PA 6.6-FR
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Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	3L-N & N-PE
Maximum continuous operating voltage U_C (L-PE)	440 V AC
Maximum continuous operating voltage U_C (N-PE)	260 V AC
Voltage protection level U_p (L-N)	≤ 0.9 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
Max. backup fuse with branch wiring	125 A (gL)

Mounting

Mounting type	DIN rail: 35 mm
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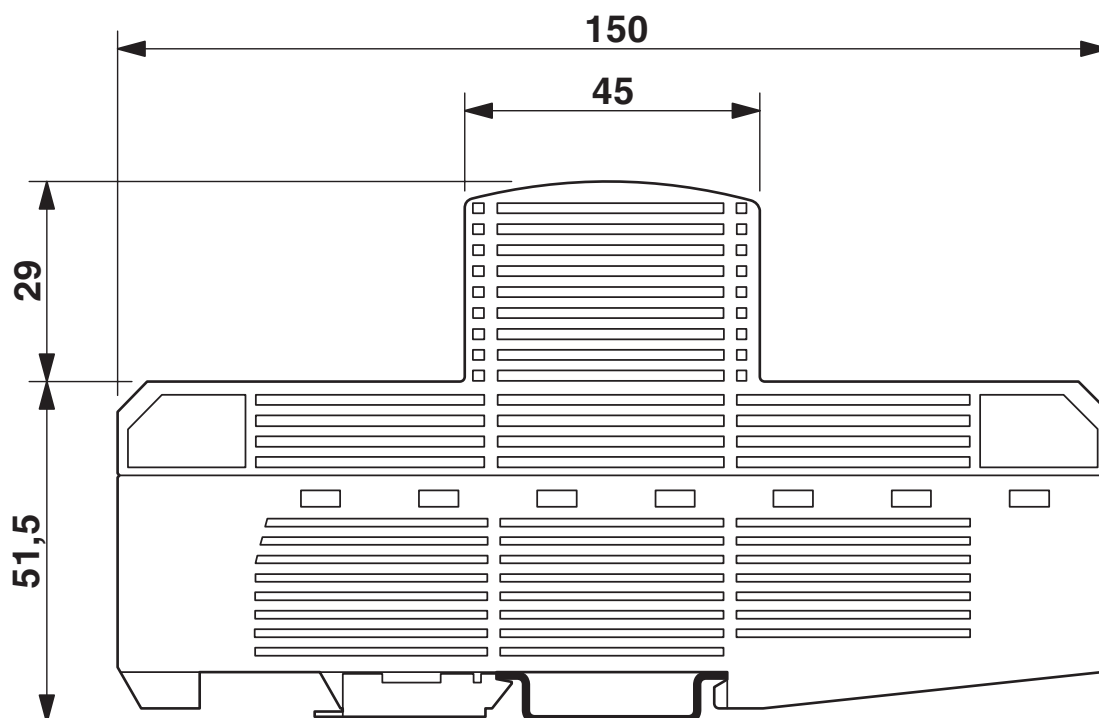


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Drawings

Dimensional drawing



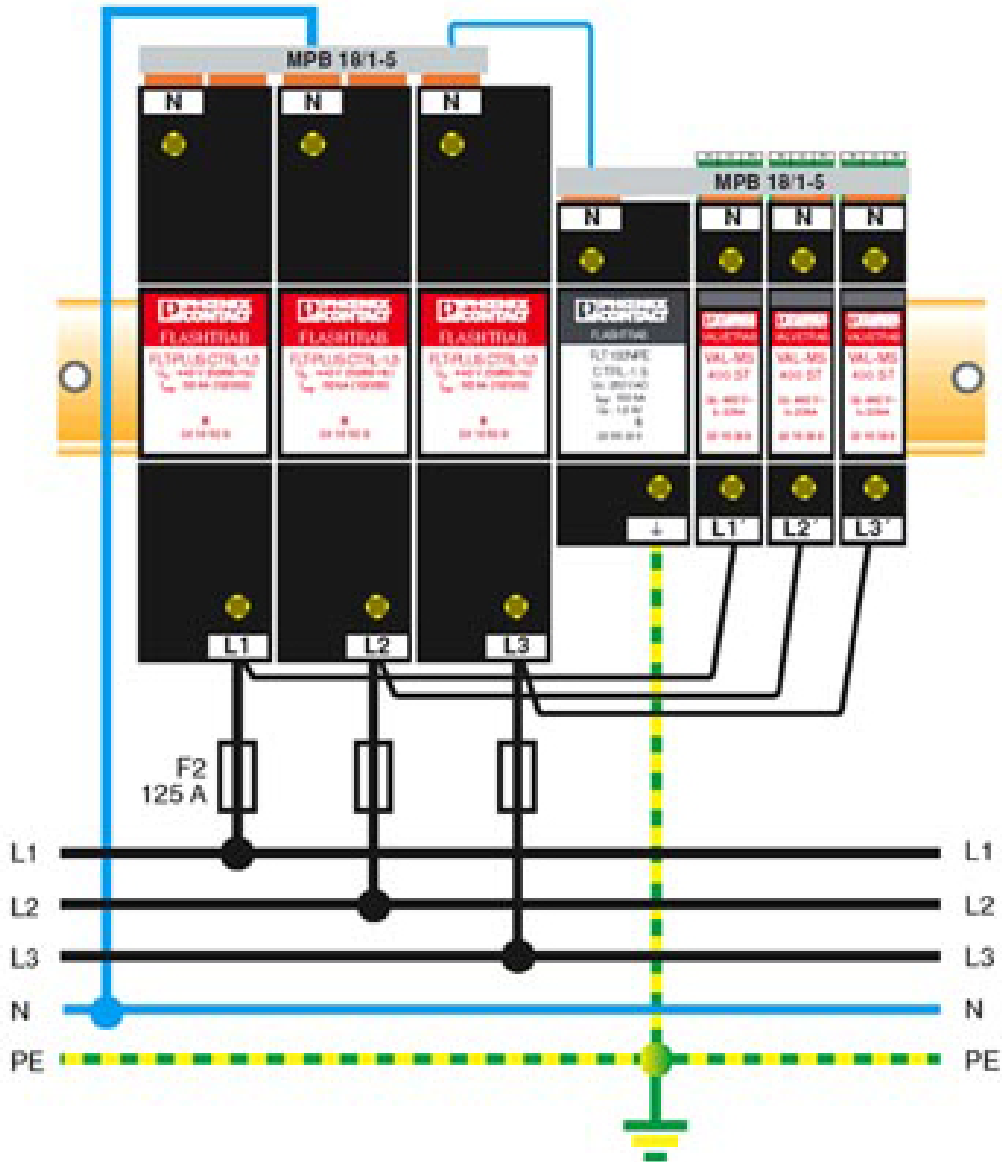
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Application drawing



Installation of arrester combination POWERSET BC/3+1-100/FM/PLUS Connection in the line, F2 ≤ 125 A gl

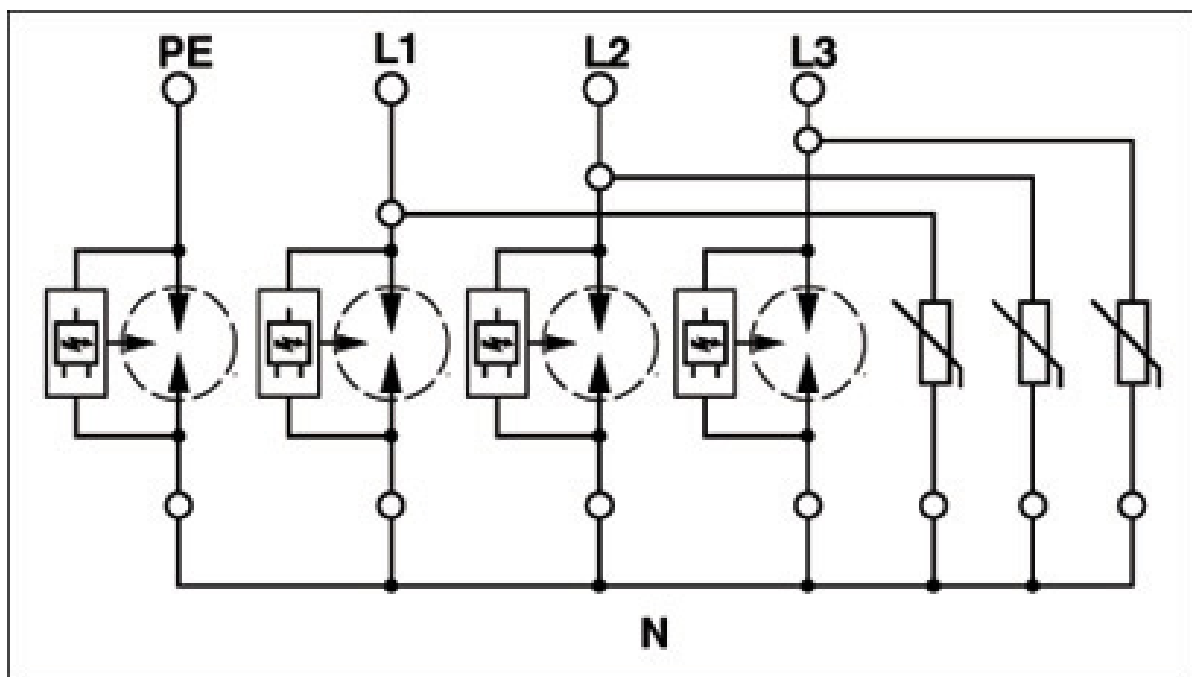
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Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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