

Type 1 surge protection device - FLT 35-260 - 2800110

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

Product Features

- High discharge capacity
- Single-channel

Key commercial data

package_quantity	10
GTIN	4046356479967

Technical data

Dimensions

Height	90 mm
Width	17.6 mm
Depth	65.7 mm
Pitch unit	1 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Permissible humidity (operation)	≤ 95 %

General

IEC power supply system	TN-S
IEC power supply system	TN-C
IEC power supply system	TT
Housing material	PA-GF
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	EN 60664-1
Standards for air and creepage distances	EN 61643-11
Mounting type	DIN rail: 35 mm
Design	Rail-mountable module, one-piece
Number of positions	1

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Technical data

General

Message: Surge protection fault	None
Direction of action	1L-N/PE

Protective circuit

IEC test classification	I
IEC test classification	T1
EN type	T1
Nominal voltage U_N	230 V AC (400 V AC)
Maximum continuous operating voltage U_C (L-N)	350 V AC
Maximum continuous operating voltage U_C (L-PE)	350 V AC
Maximum continuous operating voltage U_C (L-PEN)	350 V AC
U_T (TOV-proof)	350 V (5 sec.)
Nominal frequency f_N	50 Hz
Nominal frequency f_N	60 Hz
Residual current I_{PE}	≤ 0.1 mA
Standby power consumption P_C	≤ 35 mVA
Max. discharge current I_{max} (8/20) μs	35 kA
Nominal discharge current I_n (8/20) μs	35 kA
Nominal discharge current I_n (8/20) μs (L-N)	35 kA
Nominal discharge current I_n (8/20) μs (L-PE)	35 kA
Nominal discharge current I_n (8/20) μs (L-PEN)	35 kA
Impulse discharge current (10/350) μs, charge	17.5 As
Impulse discharge current (10/350) μs, specific energy	306.00 kJ/ Ω
Impulse discharge current (10/350) μs, peak value I_{imp}	35 kA
Front of wave sparkover voltage at 6 kV (1.2/50) μs	≤ 5 kV
Voltage protection level U_p	≤ 5 kV
Voltage protection level U_p (L-N)	≤ 5 kV
Voltage protection level U_p (L-PE)	≤ 5 kV
Voltage protection level U_p (L-PEN)	≤ 5 kV
Response time	≤ 100 ns
Response time (L-N)	≤ 100 ns
Response time (L-PE)	≤ 100 ns
Response time (L-PEN)	≤ 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)
Follow current quenching capacity I_f	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

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Technical data

Connection, protective circuit

Connection method	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 ²
Conductor cross section stranded max.	25 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	2

Standards and Regulations

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

classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27140201
eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 7.0	27140201
eCl@ss 8.0	27140201

ETIM

ETIM 2.0	EC000381
ETIM 3.0	EC000381
ETIM 4.0	EC000381
ETIM 5.0	EC000381

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

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approvals

KEMA-KEUR / GOST /

Approval details



accessories

End block

E/UK - 1201442



Marker pen

B-STIFT - 1051993



Labeled device marker

ZBN 18,LGS:ERDE - 2749589



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accessories

ZBN 18,LGS:L1-N,ERDE - 2749576



Device marking

ZBN 18:UNBEDRUCKT - 2809128



Bridge

MPB 18/1- 2 - 2809209



MPB 18/1- 6 - 2748564



MPB 18/1- 8 - 2748577



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accessories

MPB 18/1- 9 - 2748580



MPB 18/1-57 - 2809238



MPB 18/1-12 - 2748593



MPB 18/1- 4 - 2809225



MPB 18/1- 3 - 2809212



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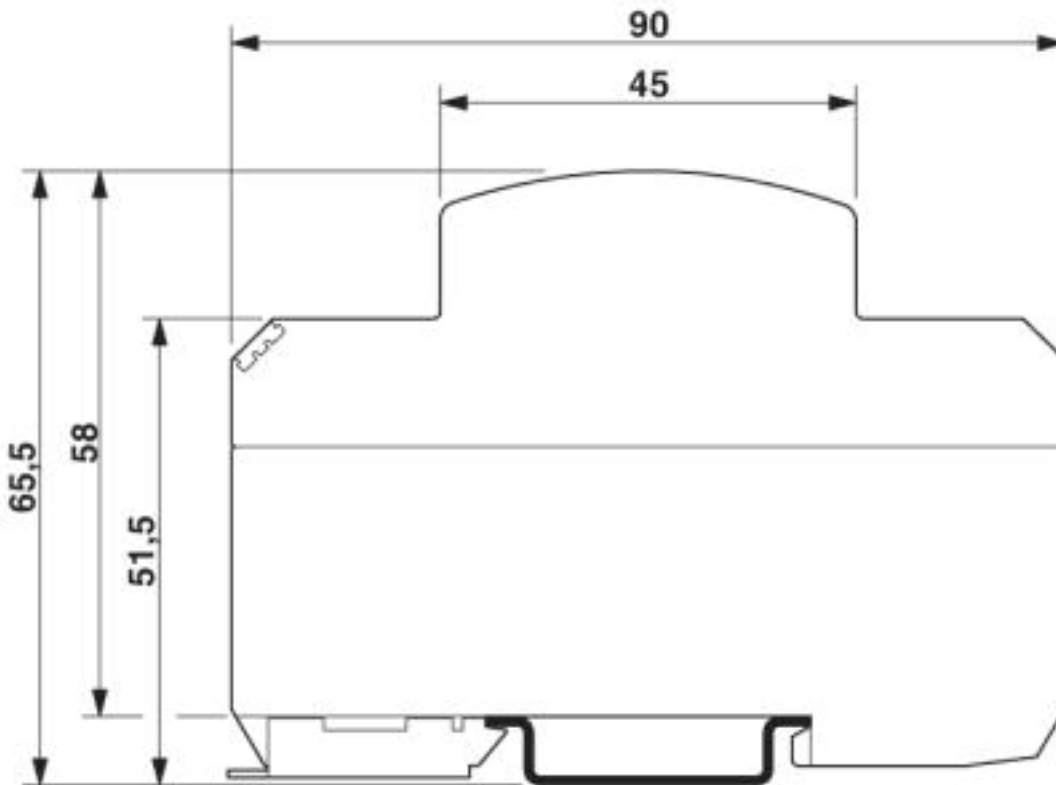
accessories

ZBN 18,LGS:L1-N,ERDE - 2830469



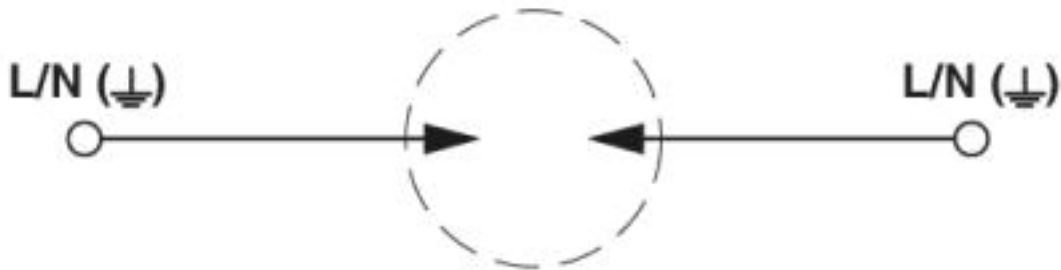
Drawings

Dimensioned drawing



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Circuit diagram



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