

FLT 60-400


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Order No.: 2748603



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Type 1 / Class I / B arrester (lightning current arrester) with arc chopping spark gap, 1-channel. Housing width: 35 mm (2 div.)

Commercial data	
GTIN (EAN)	 4 017918 062576
Note	Made-to-order
sales group	J011
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 21 (TT-2007)

Product notes

WEEE/RoHS-compliant since:
11/01/2005



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Technical data	
Standards	
IEC power supply system	TN-S
	TN-C
	TT
Housing material	PA

Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	VDE 0110-1
	IEC 60664-1
	VDE 0675-6
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 %
Width	35.80 mm
Height	65.50 mm
Length	89.80 mm
Pitch unit	2 Div.

Protective circuit

IEC category	I
	T1
EN type	T1
Nominal voltage U_N	240 V AC
Arrester rated voltage U_C (L-N)	400 V
Arrester rated voltage U_C (L-PE)	400 V
Arrester rated voltage U_C (L-PEN)	400 V
Nominal frequency f_N	50 Hz
	60 Hz
Ground conductor current I_{PE}	< 1 μ A
Nominal discharge surge current I_n (8/20) μ s (L-N)	60 kA
Nominal discharge surge current I_n (8/20) μ s (L-PEN)	60 kA
Lightning test current (10/350) μ s, charge	30 As
Lightning test current (10/350) μ s, specific energy	0.90 MJ/ Ω
Lightning test current (10/350) μ s, peak value I_{imp}	60 kA
100% lightning impulse sparkover voltage (1.2/50) μ s	≤ 4 kV
Insulation resistance R_{iso} :	≥ 10 M Ω

Protection level U_p (L-N)	≤ 4 kV
Protection level U_p (L-PE)	≤ 4 kV
Protection level U_p (L-PEN)	≤ 4 kV
Response time (L-N)	≤ 100 ns
	≤ 100 ns
Max. required backup fuse with branch wiring	250 A (gL)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
Short-circuit current self-quenching	3.5 kA (400 VAC r.m.s.)
Follow current quenching capacity I_f (L-N)	3.5 kA
Follow current quenching capacity I_f (L-PE)	3.5 kA

Connection, protective circuit

Connection method	Screw connection
Screw thread	M6
Tightening torque	8 Nm
Stripping length	19 mm
Conductor cross section stranded min.	16 mm ²
Conductor cross section stranded max.	35 mm ²
Conductor cross section solid min.	10 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG/kcmil min.	6
Conductor cross section AWG/kcmil max	1

Environmental conditions

Standards/regulations	VDE 0675-6
	E DIN VDE 0675-6/A1
	E DIN VDE 0675-6/A2

Certificates / Approvals



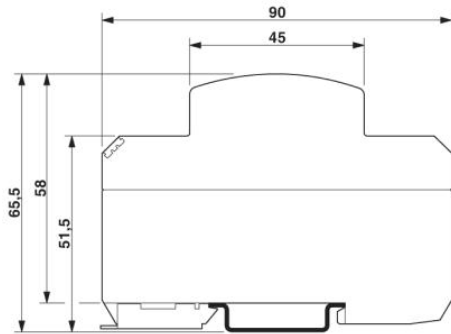
Certification

GOST

Accessories		
Item	Designation	Description
Assembly		
1201442	E/UK	End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail
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	Zack marker strip, Strip, white, Labeled, Horizontal: Grounding symbol, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm
2749576	ZBN 18,LGS:L1-N,ERDE	Zack marker strip, Strip, white, Labeled, Horizontal: L1, L2, L3, N, GND, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm
2809128	ZBN 18:UNBEDRUCKT	Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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