


FLT 100-260

Order No.: 2838160

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2838160>

Type 1 / Class I / B arrester (lightning current arrester) with encapsulated N-PE total spark gap, 1-channel. Housing width: 35 mm (2 Div.)

Commercial data	
GTIN (EAN)	 4 017918 165390
Note	Made-to-order
sales group	J011
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 23 (TT-2011)

Product notes

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

<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	PBT
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 %
Altitude	≤ 2000 m
Direction of action	N-PE
Width	35.80 mm
Height	65.70 mm
Length	90.00 mm
Pitch unit	2 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 (N-PE)	260 V AC
U_T (TOV-proof)	1200 V AC (200 ms)
Nominal frequency f_N	50 Hz
	60 Hz
Ground conductor current I_{PE}	≤ 0.1 mA
Standby power consumption P_C	≤ 26 mVA
Max. discharge surge current I_{max} (8/20) μ s	100 kA
Nominal discharge surge current I_n (8/20) μ s	100 kA
Nominal discharge surge current I_n (8/20) μ s (N-PE)	100 kA
Lightning test current (10/350) μ s, charge	50 As
Lightning test current (10/350) μ s, specific energy	2.50 MJ/ Ω
Lightning test current (10/350) μ s, peak value I_{imp}	100 kA
Impulse operate voltage at 6 kV (1.2/50) μ s	≤ 4 kV
Impulse operate voltage at 6 kV (1.2/50) μ s (N-PE)	≤ 4 kV
Protection level U_p	≤ 4 kV

Protection level UP (N-PE)	≤ 4 kV
Response time	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Follow current quenching capacity If	100 A
Follow current quenching capacity If (N-PE)	100 A

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	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

Standards

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

Certificates / Approvals



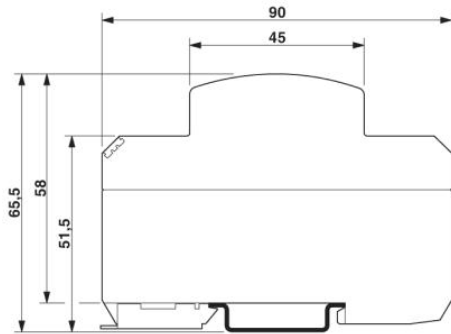
Certification

GOST

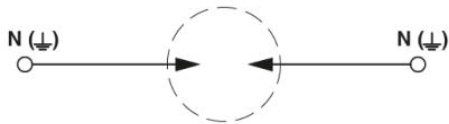
Accessories		
Item	Designation	Description
Assembly		
1201442	E/UK	End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail
Bridges		
2809209	MPB 18/1- 2	Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.
2809212	MPB 18/1- 3	Wiring bridge for modules with connecting pitch 17.5 mm, 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	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



FLT 100-260 Order No.: 2838160

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2838160>

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2011 Phoenix Contact
Technical modifications reserved;