



Extract from the online catalog

PT 2+1-S-48DC/FM

Order No.: 2817958

The illustration shows the version PT 2-PE/S-230 AC



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Rail-mountable surge arrester as device protection for terminal equipment, fault signal in the plug and signaling contact in the base element, 2-section, pluggable. Design: 48 V DC



Commercial data	
EAN	4017918574987
Pack	10 pcs.
Customs tariff	85363090
Weight/Piece	0.06971 KG
Catalog page information	Page 47 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
01/02/2007



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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	PA
Inflammability class acc. to UL 94	V0
Color	black

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Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
	DIN VDE 0675-6
	IEC 61643-1
Degree of protection	IP20
Design	DIN rail module, two-section, divisible
Mounting type	DIN rail 35 mm
Ambient temperature (operation)	-40 °C ... 85 °C
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE
Width	17.70 mm
Height	65.50 mm
Length	90.00 mm
Pitch unit	1 Div.
Protective circuit	
IEC category	III
	T3
EN type	T3
Nominal voltage U_N	48 V DC
Arrester rated voltage U_C	60 V DC
Arrester rated voltage U_C (L-PE)	60 V DC
Nominal current I_N	26 A (at 30°C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Discharge current to PE at U_C	$\leq 10 \text{ mA}$
Nominal discharge surge current I_n (8/20) μs	500 A
Nominal discharge surge current I_n (8/20) μs (L-N)	500 A
Nominal discharge surge current I_n (8/20) μs (L-PE)	500 A
Max. discharge surge current I_{max} (8/20) μs	500 A
Max. discharge surge current I_{max} (8/20) μs maximum (L-N)	500 A
Max. discharge surge current I_{max} (8/20) μs maximum (L-PE)	500 A
Combined surge U_{oc}	6 kV (for 12 Ω)
Protection level U_p (L-N)	$\leq 120 \text{ V}$

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Protection level U_p (L-PE)	≤ 120 V
Protection level U_p (N-PE)	≤ 120 V
Response time t_A (L-N)	≤ 1 ns
Response time t_A (L-PE)	≤ 1 ns
Max. required back-up fuse	25 A (gL)
Message surge protection faulty	Optical, remote indicator contact

Connection, protective circuit

Standards/regulations	IEC 61643-1
	EN 50082-2
	BS 6651
	ANSI/IEEE C62.41

Remote indicator contact

Connection name	Remote fault indicator contact
Schaltfunktion_Int	N/C contact
Type of connection	Screw connection
Screw thread	M3
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Certificates / Approvals



Certification CUL, GOST, UL

CUL

Nominal voltage U_N	34 V
Nominal current I_N	20 A

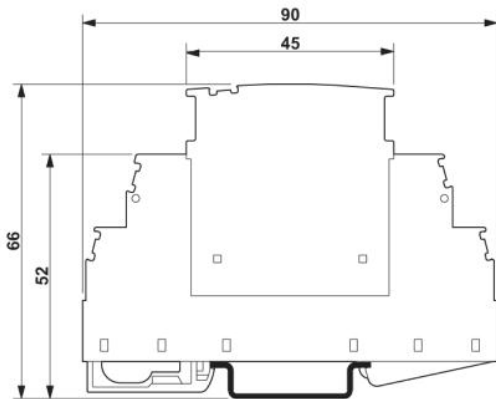
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UL

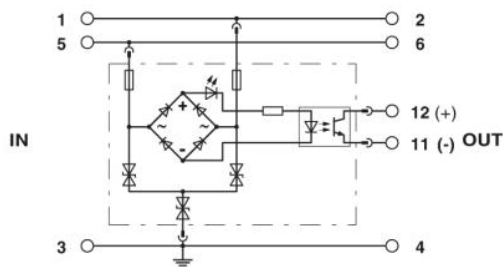
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Drawings

Dimensioned drawing



Circuit diagram



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