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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Type 3 surge protection device - PT 2-PE/S-60AC/FM - 2800961

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Pluggable type 3 arrester (device protection) for single-phase power supply networks with separate N and PE (3-conductor system: L1, N, PE) with remote indication contact.

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



### Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 660266
GTIN	4046356660266

### Technical data

#### Dimensions

Height	90 mm
Width	17.7 mm
Depth	65.5 mm
Horizontal pitch	1 Div.

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

#### General

Housing material	PA
Flammability rating according to UL 94	V0
Color	black
Standards for clearances and creepage distances	IEC 60664-1
Design	DIN rail module, two-section, divisible
Mounting type	DIN rail: 35 mm

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## Technical data

### General

Number of positions	2
Direction of action	1L-N & N-PE

### Protective circuit

IEC test classification	III
	T3
EN type	T3
Nominal voltage $U_N$	60 V AC
Arrester rated voltage $U_C$	100 V AC
	95 V DC
Nominal frequency $f_N$	50 Hz
	60 Hz
Residual current $I_{PE}$	$\leq 1.5 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$	2.5 kA
Nominal discharge current $I_n$ (8/20) $\mu s$ (L-N)	2.5 kA
Max. discharge current $I_{max}$ (8/20) $\mu s$	6.5 kA
Combination wave $U_{OC}$	4 kV
Voltage protection level $U_p$ (L-N)	$\leq 400 V$
Residual voltage at $I_n$ , (L-N)	$\leq 420 V$
Response time $t_A$ (L-N)	$\leq 25 ns$
Response time $t_A$ (L-PE)	$\leq 100 ns$
Response time $t_A$ (N-PE)	$\leq 100 ns$
Max. required back-up fuse	25 A (gL)
	25 A (MCB B/C)
Short-circuit resistance $I_p$ with max. backup fuse (effective)	1.5 kA
Surge protection fault message	Optical, remote indicator contact

### Non-heating apparatus connection, power supply

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

### Remote indication contact

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## Technical data

### Remote indication contact

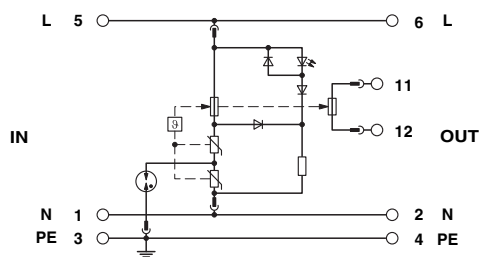
Connection name	Remote fault indicator contact
Switching function	N/C contact
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Maximum operating voltage $U_{max}$ AC	250 V
Max. operating current $I_{max}$	3 A AC

### Standards and Regulations

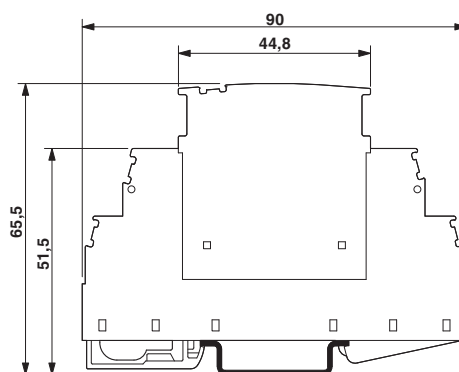
Standards/specifications	IEC 61643-1 2005
	EN 61643-11/A11 2007
	UL 1449 ed. 2

## Drawings

Circuit diagram



Dimensional drawing



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