Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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Type 3 surge protection device - PT 2-PE/S-24AC/FM - 2800457

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

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.

Product Features

- Plugs can be checked with CHECKMASTER
- Tool-free plug replacement
- With floating remote indication contact
- Optical signaling of disconnection via LED
- Consists of base element and plug
- DIN rail module
- For single and multi-phase power supply units

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	100.0 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

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

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Technical data

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 cearances and creepage distances	IEC 60664-1
Type	DIN rail module, two-section, divisible
Mounting type	DIN rail: 35 mm
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	24 V AC/DC
Arrester rated voltage U_C	34 V AC
	44 V DC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	26 A (30 °C)
Standby power consumption P_C	≤ 60 mVA
Residual current I_{PE}	≤ 1 µA
Nominal discharge current I_n (8/20) µs (L-N)	1 kA
Nominal discharge current I_n (8/20) µs (L-PE)	1 kA
Combination wave U_{OC}	2 kV
Voltage protection level U_p (L-N)	≤ 180 V
Voltage protection level U_p (L-PE)	≤ 550 V
Residual voltage at In, (L-N)	≤ 180 V
Residual voltage at In, (L-PE)	≤ 120 V
Response time t_A (L-N)	≤ 25 ns
Response time t_A (L-PE)	≤ 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

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Technical data

Non-heating apparatus connection, power supply

Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Remote indicator 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 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Maximum operating voltage $U_{max.}$ AC	250 V
Maximum operating voltage U_{max} DC	50 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. 3

Classifications

eCl@ss

eCl@ss 4.0	27140201

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Classifications

eCl@ss

eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130806
eCl@ss 7.0	27130806
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

UNSPSC

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

Approvals

Approvals

Approvals

GL / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

GL

Type 3 surge protection device - PT 2-PE/S-24AC/FM - 2800457

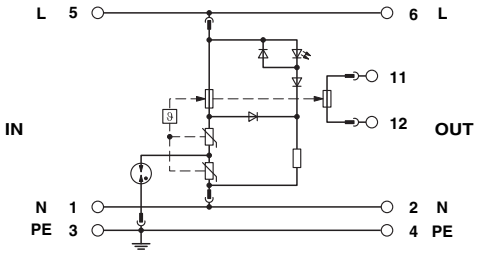
Approvals

EAC

EAC

Drawings

Circuit diagram



Dimensional drawing