

Type 3 surge protection device - PT 2-IT-230AC/FM - 2805130

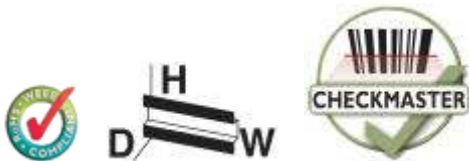
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Surge protection type 3, as device protection for termination devices in IT systems, error indication and remote indicator contact. Design: 230 V AC

Product Features

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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	80.0 GRM
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	90 mm
Width	17.7 mm
Depth	65.5 mm
Horizontal pitch	1 Div.
Complete module height	90 mm
Complete module width	17.7 mm

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Dimensions

Complete module depth	65.5 mm
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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C

General

Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	IEC 60664-1
	IEC 61643-1
	DIN EN 61643-11/A11
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	230 V AC
Arrester rated voltage U_C	275 V AC
Arrester rated voltage U_C (L-N)	275 V AC
Arrester rated voltage U_C (L-PE)	275 V AC
Arrester rated voltage U_C (N-PE)	275 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	26 A (30 °C)
Residual current I_{PE}	$\leq 1 \mu A$
Nominal discharge current I_n (8/20) μs	3 kA
	3 kA (in acc. with UL 1449)
Nominal discharge current I_n (8/20) μs (L-N)	3 kA
Nominal discharge current I_n (8/20) μs (L-PE)	3 kA
Max. discharge current I_{max} (8/20) μs	8 kA
Combined surge U_{OC}	6 kV
Energy absorption symmetrical	170 J (L-N)

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Protective circuit

Energy absorption, asymmetrical	225 J (L/N-PE)
Voltage protection level U_p (L-N)	≤ 1.2 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
Response time t_A (L-N)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns
Response time t_A (N-PE)	≤ 100 ns
Max. required back-up fuse	25 A (gL/C)
Surge protection fault message	Optical, remote indicator contact

Non-heating apparatus connection, power supply

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
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

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 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
Maximum operating voltage U_{max} AC	250 V

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Remote indicator contact

Maximum operating voltage U_{max} DC	50 V
Max. operating current I_{max}	3 A AC/DC

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27140201
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	27130806

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

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UL Recognized / cUL Recognized / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

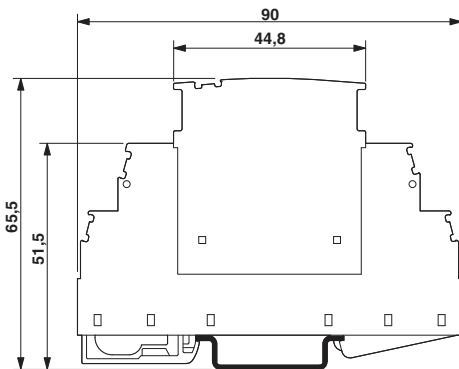
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Drawings

Dimensioned drawing



Circuit diagram

