

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

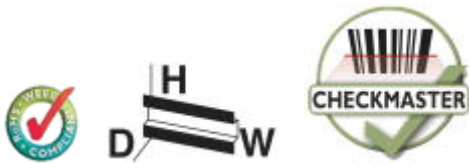
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Surge protection type 3, as device protection for termination devices in IT systems, error indication and remote indicator contact. Design: 230 V AC

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 |
|-----------------------|---------|

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

Approvals

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UL Recognized / cUL Recognized / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

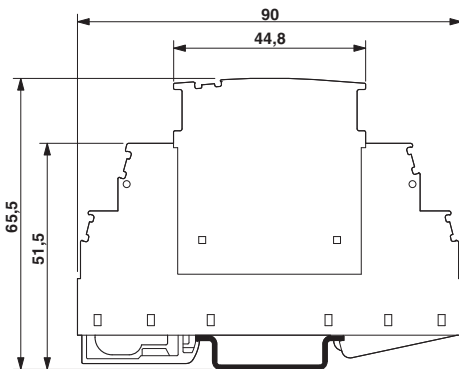
UL Recognized

cUL Recognized

cULus Recognized

Drawings

Dimensioned drawing



Circuit diagram

