

Surge protection device - SYS N4 120/240HLD - 2800706

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Indoor/outdoor lightning arrester and TVSS system for 120/208-240 V

Product description

Combination lightning arrester and TVSS for 120/208-240 V. Components are housed in an IP66/NEMA 4 cabinet.



Key commercial data

| | |
|----------------------|----------|
| Packing unit | 1 pc |
| Custom tariff number | 85363090 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|--------|
| Height | 500 mm |
| Width | 400 mm |
| Depth | 210 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP66 / NEMA 4 |
| Ambient temperature (operation) | -40 °C ... 80 °C |

General

| | |
|--------------------------------|--------------------------|
| NEMA power supply system | 120/240 V High-Leg Delta |
| Housing material | Steel |
| Mounting type | Surface/Wall mounting |
| Surge protection fault message | Remote indicator contact |

Protective circuit

| | |
|-------------------------|--------|
| IEC test classification | I + II |
|-------------------------|--------|

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Technical data

Protective circuit

| | |
|--|------------------|
| EN type | T1 |
| Nominal voltage U_N | < 240 V |
| Maximum continuous operating voltage U_C | 275 V AC |
| Impulse discharge current (10/350) μ s charge | 25 As |
| Impulse discharge current (10/350) μ s, peak value I_{imp} | 50 kA (per mode) |
| Response time | \leq 25 ns |
| Follow current quenching capacity I_f | 50 kA |

Connection, protective circuit

| | |
|--|--------------------|
| Connection method | Screw connection |
| Conductor cross section stranded min. | 16 mm ² |
| Conductor cross section stranded max. | 35 mm ² |
| Conductor cross section solid min. | 10 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section AWG/kcmil min. | 6 |
| Conductor cross section AWG/kcmil max | 1 |

Remote indicator contact

| | |
|--|----------------------|
| Connection method | Screw connection |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section AWG/kcmil min. | 28 |
| Conductor cross section AWG/kcmil max | 16 |

NEMA / UL data

| | |
|---|--------|
| UL type | type 2 |
| Nominal discharge current I_n (without reference direction) | 20 kA |
| Maximum Surge Current per Phase | 50 kA |
| Short-circuit current rating (SCCR) | 50 kA |

Standards and Regulations

| | |
|-----------------------|---|
| Standards/regulations | UL 1449 3 rd edition, Sept. 2009 |
| | IEC 60643-1 |
| | EN 61643-11 |
| | CAN/CSA-C22.2 No. 8 |

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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 | 27130802 |
| eCl@ss 7.0 | 27130802 |
| eCl@ss 8.0 | 27130802 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000942 |
| ETIM 4.0 | EC000941 |
| ETIM 5.0 | EC000941 |

UNSPSC

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

Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approvals submitted

Approval details

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|-------|
| ETLus |
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Approvals

cETL

cETLus

Drawings

Circuit diagram

