



950530



900062



920300



920244



929121

Photovoltaic (PV) surge protection devices

Due to their location solar panels and in many cases the inverters are connected to are exposed to and particularly prone to direct or indirect lightning strikes. As PV systems are directly connected to the electrical networks of buildings surge protection is essential.

| type | max. PV voltage (Ucpv) | (8/20 μ s) DC+/DC- (Imax) | (10/350 μ s) DC+/DC- (Iimp) | voltage protection (Up) | poles | config. | width in 18 mm |
|------|------------------------|-------------------------------|---------------------------------|-------------------------|-------|---------|----------------|
|------|------------------------|-------------------------------|---------------------------------|-------------------------|-------|---------|----------------|

Type 2 PV surge protection devices (non-plug-in modules)

1000 VDC PV surge protection device

- Short circuit interruption (SCI) technology for maximum safety in PV systems

| | | | | | | | |
|---------------|---------------|------|---|-------------|---|---------|---|
| 950530 | ≤ 1000 V | 25kA | – | ≤ 4 kV | 3 | DC+/DC- | 3 |
|---------------|---------------|------|---|-------------|---|---------|---|

PV surge protection devices (with plug-in or non plug-in cartridges for easy replacement)

- Short circuit interruption (SCI) technology for maximum safety in PV systems
- Safe replacement of protection modules without arc formation due to integrated DC fuses

600 VDC PV surge protection device

| | | | | | | | |
|---------------|--------------|------|---|---------------|---|---------|---|
| 952511 | ≤ 600 V | 25kA | – | ≤ 2.5 kV | 3 | DC+/DC- | 3 |
|---------------|--------------|------|---|---------------|---|---------|---|

1000VDC PV surge protection device

| | | | | | | | |
|----------------|---------------|------|---|-------------|---|---------|---|
| 952510 | ≤ 1000 V | 25kA | – | ≤ 4 kV | 3 | DC+/DC- | 3 |
| 952515* | ≤ 1000 V | 25kA | – | ≤ 4 kV | 3 | DC+/DC- | 3 |

1500 VDC PV surge protection device

| | | | | | | | |
|---------------|---------------|--------|---|----------|---|---------|-----|
| 952520 | ≤ 1500 V | 12.5kA | – | < 6 kV | 3 | DC+/DC- | 4.5 |
|---------------|---------------|--------|---|----------|---|---------|-----|

Type 1+2 PV surge protection devices

- Combined lightning current and surge arrester for use in photovoltaic systems

1000 VDC photovoltaic surge protection device (non-plug-in modules)

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|---------------|---------------|------|--------|----------------|---|---------|---|
| 900061 | ≤ 1000 V | 15kA | 6.5 kA | ≤ 4.75 kV | 3 | DC+/DC- | 4 |
|---------------|---------------|------|--------|----------------|---|---------|---|

1500 VDC photovoltaic surge protection device

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|---------------|---------------|------|---|-------------|---|---------|---|
| 900062 | ≤ 1500 V | 15kA | – | < 7.25 kV | 3 | DC+/DC- | 4 |
|---------------|---------------|------|---|-------------|---|---------|---|

Surge protective devices for data networks

| type | nominal voltage (Un) | voltage line-line (Up) | (8/20 μ s) per line (In) | (10/350 μ s) per line (Iimp) | poles | config. | width (mm) |
|------|----------------------|------------------------|------------------------------|----------------------------------|-------|---------|------------|
|------|----------------------|------------------------|------------------------------|----------------------------------|-------|---------|------------|

BLITZDUCTOR surge arresters are pluggable multipole DIN rail mounting arresters. Universally used for protecting data networks, control/measuring circuits, bus or telecom systems.

- Protects against lightning currents and surges
- Permits easy replacement of modules (*no signal interruption when protection module removed*)
- Occupies minimal space thanks to its functional design

BXT BAS universal base part for all standard protection modules

- Universal surge arrester for two-pole, three-pole or four-pole interfaces

| | |
|---------------|---|
| 920300 | DIN rail mount socket to receive various protection modules for data networks |
|---------------|---|

BLITZDUCTOR XT – protection modules

Type 2 P1 surge protection device high degree of protection for one pair

- For installation in conformity with lightning protection zone concept from 0_B -2 and higher

| | | | | | | | |
|---------------|------|-------------|------|---|---|---------|------|
| 926244 | 24 V | ≤ 55 V | 10kA | – | 4 | line-PG | 12mm |
|---------------|------|-------------|------|---|---|---------|------|

Type 1 P1 surge protection device optimal protection of one pair and the cable shield

- For installation in conformity with lightning protection zone concept from 0_A -2 and higher

| | | | | | | | |
|---------------|------|-------------|------|-------|---|---------|------|
| 920244 | 24 V | ≤ 52 V | 10kA | 2.5kA | 4 | line-PG | 12mm |
|---------------|------|-------------|------|-------|---|---------|------|

Other voltages available on request.

DEHNpatch for Ethernet applications

Universal arrester for Industrial Ethernet, Power over Ethernet (PoE+ acc. to IEEE 802.3at to 57V) and similar applications in structured cabling systems according to class E up to 250 MHz. Protection of all pairs by means of powerful gas discharge tubes and one filter matrix per pair. Fully shielded type with sockets for DIN rail mounting (*up to 1 Gbit Ethernet*).

| | | | | | | | |
|---------------|------|--------------|-------|-------|---|---------|------|
| 929121 | 48 V | ≤ 180 V | 0.5kA | 0.5kA | 4 | line-PG | 19mm |
|---------------|------|--------------|-------|-------|---|---------|------|