

Surge Protective Devices OVR NE12 Series - Enclosed SPD



OVR NE12 Enclosed SPD

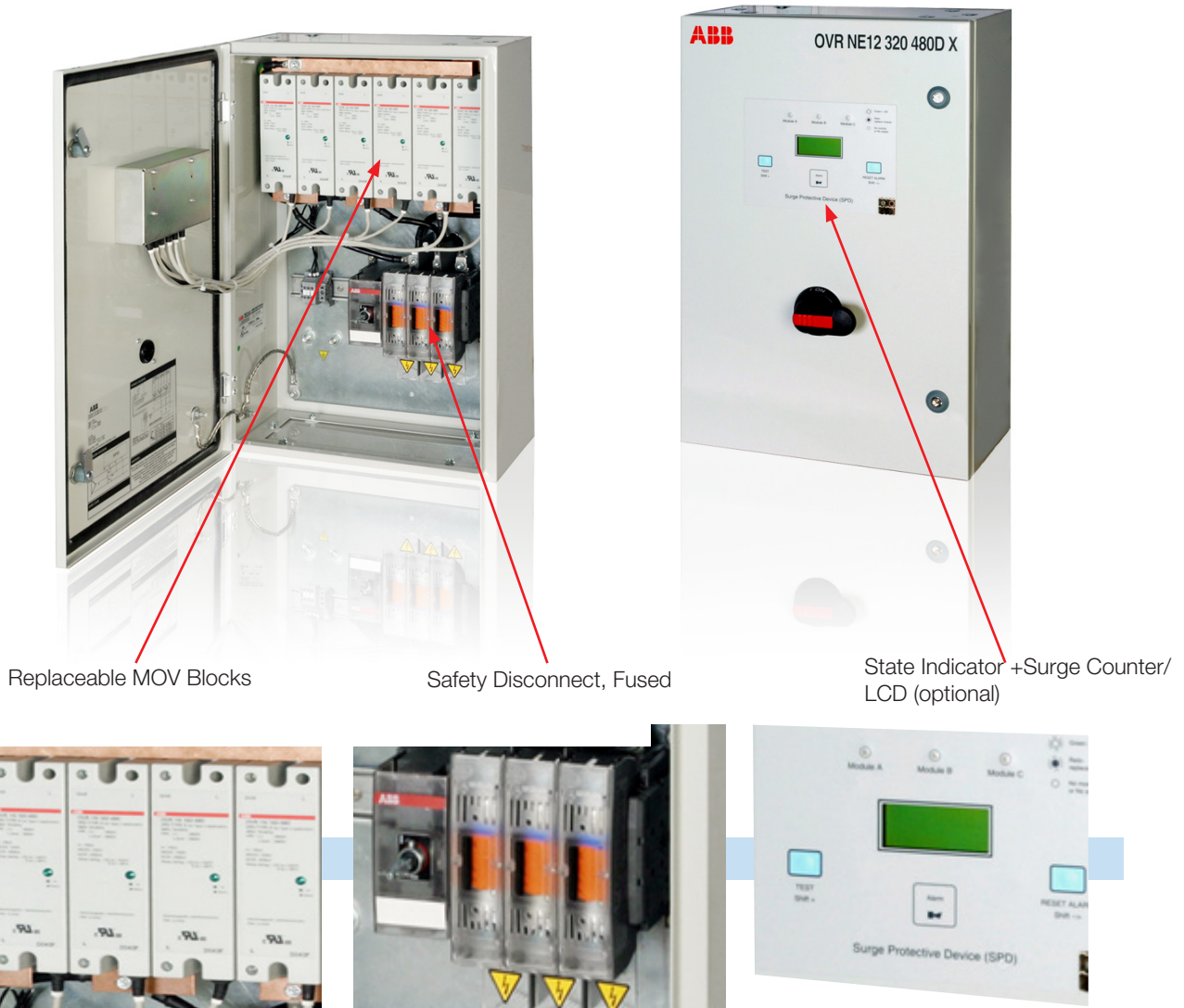
The OVR NE12 enclosed SPD is the newest addition to ABB's surge protective device line. The new OVR NE12 is designed for a long service life, protecting valuable equipment from damage due to lightning strikes and surges from upstream equipment and utility load switching.

The OVR NE12 is a UL 1449 3rd Edition certified Type 2 SPD enclosed within a NEMA Type 12 enclosure, designed for installation indoors on the load side of the main breaker or fuse. Metal Oxide Varistor (MOV) technology is utilized to achieve a high level of protection performance, and allows for ease of module replacement. Each OVR NE12 comes standard with status lights, alarm, auxiliary contacts, EMI filtering and a fused disconnect.

A highlight is the optional surge counter/diagnostic LCD display. Surges 2kA and above are recorded with date and time. Also, this option provides enhanced information on unit status.



OVR NE12 Enclosed Surge Protective Devices - Type 2



Protect your investment

Extensive damage and expensive repairs can result from transient surges if surge protection is not present. ABB recommends the installation of the OVR NE12 enclosed SPD wherever uptime is a critical element of a facility or operation.

OVR NE12 Enclosed SPD

Description	Catalog number	Service voltage	Surge capacity/ Phase (Imax)
OVR NE12 Enclosed SPD, 480V Delta, 320kA, w/ Surge Counter	OVRNE12320480DX	480V Delta	320kA
OVR NE12 Enclosed SPD, 480V Delta, 320kA	OVRNE12320480D	480V Delta	320kA
OVR NE12 Enclosed SPD, 480Y/277V, 320kA, w/ Surge Counter	OVRNE12320277YX	480Y/277V	320kA
OVR NE12 Enclosed SPD, 480Y/277V, 320kA	OVRNE12320277Y	480Y/277V	320kA
OVR NE12 Enclosed SPD, 240/120V Split Phase, 320kA, w/ Surge Counter	OVRNE12320120SPX	240/120V Split Phase	320kA
OVR NE12 Enclosed SPD, 240/120V Split Phase, 320kA	OVRNE12320120SP	240/120V Split Phase	320kA
OVR NE12 Enclosed SPD, 480V Delta, 160kA, w/ Surge Counter	OVRNE12160480DX	480V Delta	160kA
OVR NE12 Enclosed SPD, 480V Delta, 160kA	OVRNE12160480D	480V Delta	160kA
OVR NE12 Enclosed SPD, 480Y/277V, 160kA, w/ Surge Counter	OVRNE12160277YX	480Y/277V	160kA
OVR NE12 Enclosed SPD, 480Y/277V, 160kA	OVRNE12160277Y	480Y/277V	160kA
OVR NE12 Enclosed SPD, 240/120V Split Phase, 160kA, w/ Surge Counter	OVRNE12160120SPX	240/120V Split Phase	160kA
OVR NE12 Enclosed SPD, 240/120V Split Phase, 160kA	OVRNE12160120SP	240/120V Split Phase	160kA

Features & Benefits

The OVR NE12 is a multistage protector with fast acting varistor (MOV) and EMI/RFI noise attenuation filter to limit overvoltage to values compatible with the sensitive equipment connected to the network. In addition to the OVR NE12, ABB recommends adding OVR DIN rail SPDs at branch panels and equipment, creating a multi-level approach to protection.

General

- NEMA 12 enclosure
- All mode production (L-L/L-N/L-G/N-G)

MOV Technology

- 160 or 320kA per phase protection
- Replaceable MOV blocks
- Visual and audible MOV replacement indication

Surge Counter/Diagnostic LCD Display (optional)

- Count of surges 2kA and higher with time and date
- Percent protection level

Applications

The OVR NE12 is suitable for protection for all manner of facilities and operations. Here are some examples of operations that would benefit from an OVR NE12 enclosed SPD:

- Critical power (hospitals, data centers, etc)
- Renewable energy
- Water/wastewater
- Communications
- Manufacturing
- Commercial

Specifications

- Type 2 Surge Protective Device
- UL 1449, 3rd Edition Listed
- NEMA 12 enclosure
- Three service voltages (AC): 240/120V Split Phase, 480V Delta and 480/277V Wye
- 160kA or 320kA per phase protection (I_{max})
- Short circuit current rating (SCCR): 200kA
- Nominal discharge current (I_n): 10kA
- Dimensions H x W x D (approx.): 24" x 16" x 8"
- Weight (approx.): 40 lbs



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