

## Product selection

### OVR NE12 enclosed SPD

#### Choosing the correct model

There are three steps to choosing the correct OVR NE12 model:

#### 1) Select service voltage

Consult qualified personnel if the facility or operation service voltage is unknown.

The OVR NE12 is available in three service voltages:

- 480V Delta
- 480Y/277V
- 240/120V Split phase

#### 2) Select the surge capacity ( $I_{max}$ )

The surge capacity is the maximum discharge current ( $I_{max}$ ) per phase. Each MOV is capable of withstanding multiple surges below the maximum surge level.

Two protection levels are available:

- 160kA per phase
- 320kA per phase

#### 3) Choose a basic display or the surge counter/diagnostic LCD display

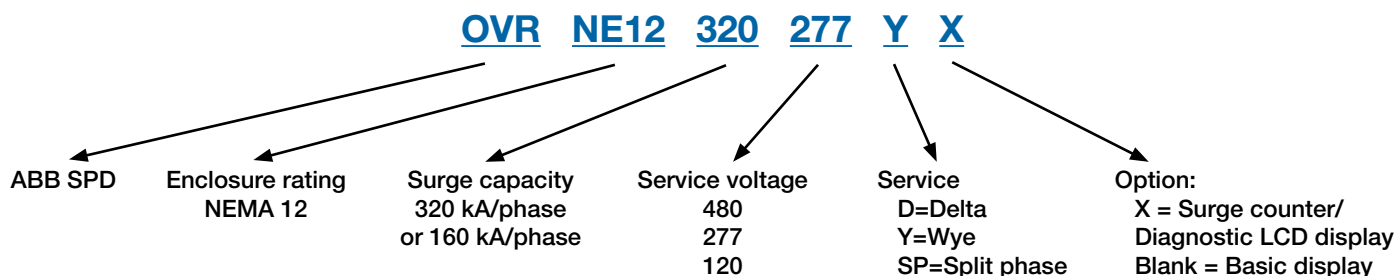
- Basic display: LED lights and alarm
- Surge counter/diagnostic LCD display: LED lights, alarm and LCD screen displaying percentage protection level, surge count and last surge date

Once these three steps are complete, consult the tables below and on Page 16.10 to select

the unit. If technical assistance is required, please call ABB Technical Support at (888) 385-1221 option #4.



#### OVR NE12 enclosed SPD part number diagram



Designation	Service voltage	Features		
		Default visualization Green/red LED	Audible alarm	Surge counter
OVR NE12 320 480D X	480V Delta	Yes	Yes	Yes
OVR NE12 160 480D X	480V Delta	Yes	Yes	Yes
OVR NE12 320 277Y X	480Y/277V	Yes	Yes	Yes
OVR NE12 160 277Y X	480Y/277V	Yes	Yes	Yes
OVR NE12 320 120SP X	240/120V Split phase	Yes	Yes	Yes
OVR NE12 160 120SP X	240/120V Split phase	Yes	Yes	Yes
OVR NE12 320 480D	480V Delta	Yes	Yes	No
OVR NE12 160 480D	480V Delta	Yes	Yes	No
OVR NE12 320 277Y	480Y/277V	Yes	Yes	No
OVR NE12 160 277Y	480Y/277V	Yes	Yes	No
OVR NE12 320 120SP	240/120V Split phase	Yes	Yes	No
OVR NE12 160 120SP	240/120V Split phase	Yes	Yes	No