

## Type 2 surge protection replacement module - VAL-SQ SE 120-277/480Y-R - 2804199

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Replacement module, 120 kA surge protection, 277/480 V AC Wye system

### Product Description

Surge protection device for service entrance protection of 277/480 V AC systems with 120 kA protection

### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| Weight per Piece (excluding packing) | 4,280.400 g   |
| Custom tariff number                 | 85363010      |
| Country of origin                    | United States |

### Technical data

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Altitude                                | 3658 m           |

#### General

|                          |               |
|--------------------------|---------------|
| NEMA power supply system | 277/480 V Wye |
| Type                     | Parallel MOV  |
| Direction of action      | 3L-N & N-GND  |

#### Protective circuit

|                                            |        |
|--------------------------------------------|--------|
| Maximum continuous operating voltage $U_c$ | 320 V  |
| Response time $t_A$                        | < 1 ns |

#### Connection, protective circuit

|                   |                       |
|-------------------|-----------------------|
| Connection method | Screw terminal blocks |
| Tightening torque | 4 Nm                  |

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### Technical data

#### Connection, protective circuit

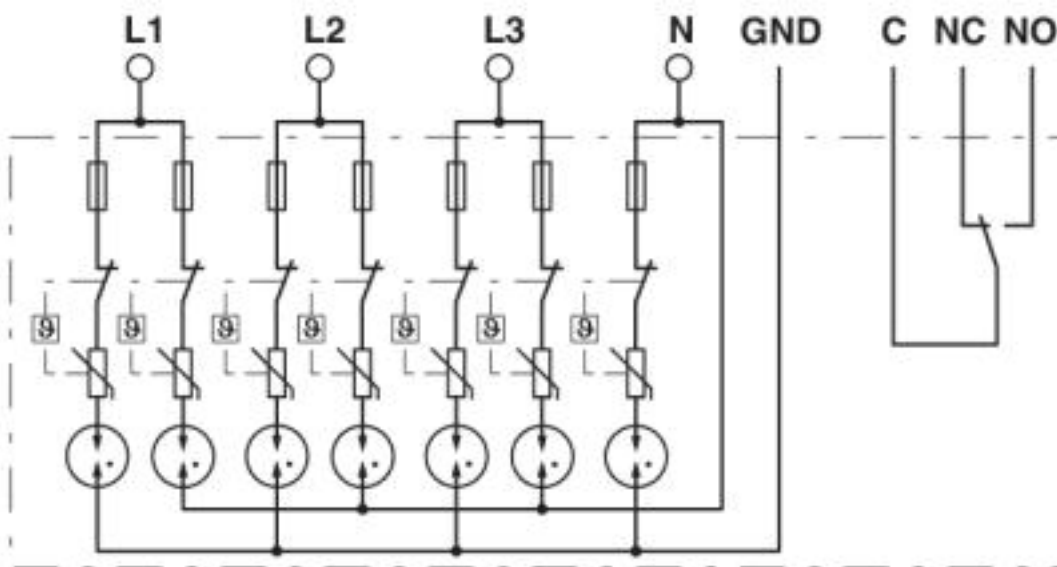
|                                  |    |
|----------------------------------|----|
| Conductor cross section AWG min. | 10 |
| Conductor cross section AWG max. | 2  |

#### NEMA / UL data

|                                     |        |
|-------------------------------------|--------|
| Maximum Surge Current per Phase     | 120 kA |
| Short-circuit current rating (SCCR) | 200 kA |

### Drawings

Circuit diagram



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27140201 |
| eCl@ss 5.0 | 27140201 |
| eCl@ss 5.1 | 27140201 |
| eCl@ss 6.0 | 27140201 |
| eCl@ss 8.0 | 27130802 |
| eCl@ss 9.0 | 27130802 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000381 |
| ETIM 3.0 | EC000381 |
| ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000381 |

#### UNSPSC

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