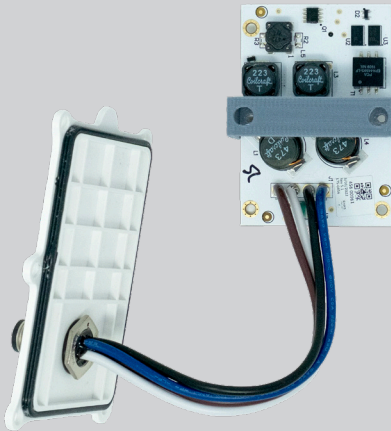
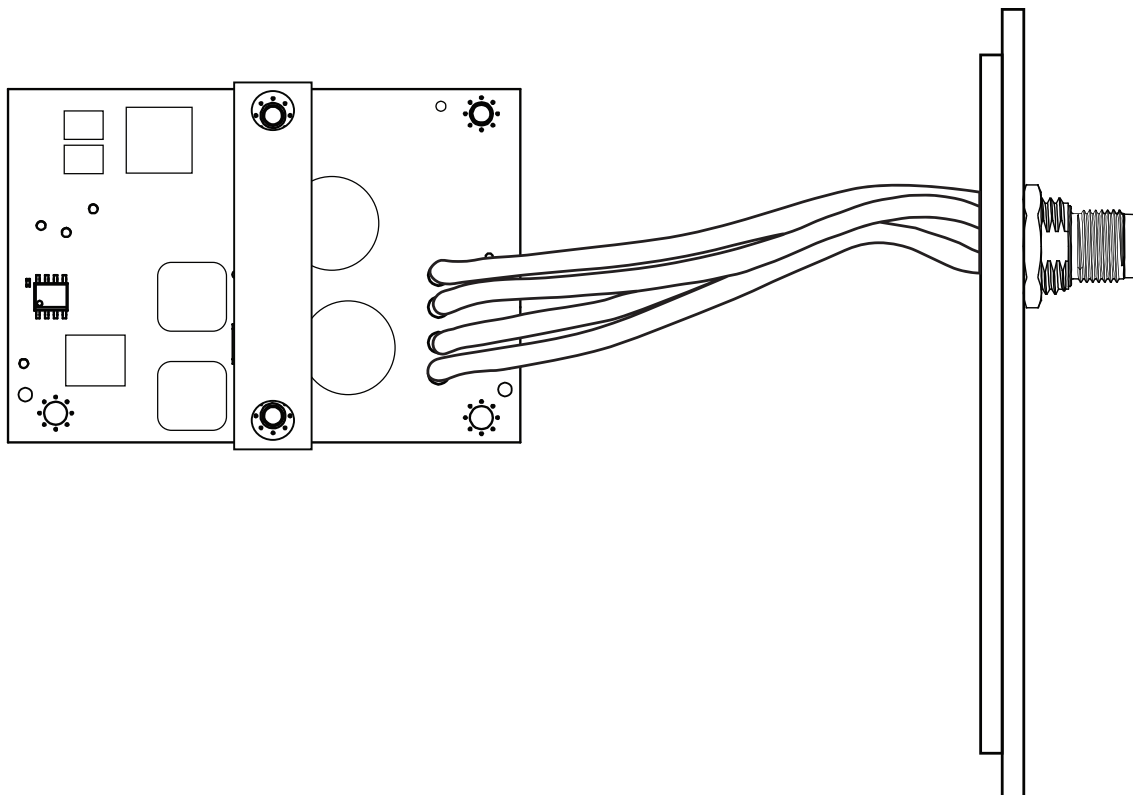


Field-replaceable surge protection for XP21 sensor

Surge protection for your sensors is an important part of your Expanse installation. The XP21 Surge card comes installed in every XP21 sensor. Should the card be blown out by a surge, simply use a screwdriver to swap it quickly and easily in the field with one of these replacement cards.



- Designed for use with the XP21, in an installation with Arc cabinet interface devices
- Protects the sensor against surges on the sensor cable
- In case of surge, card can be easily replaced, negating the need to replace the whole XP21 sensor or send the sensor in for repairs
- Quick and easy installation in the field requiring only a slotted screwdriver
- Includes M12 T-coded male cable connector for terminating sensor cable
- Allows you to test functionality in the field easily using a multimeter
- Multi-stage surge protection for data and DC power
- FCC-compliant
- Complies with NEMA TS2-2003 environmental testing
- Surge immunity complies with IEC 61000-4-5 level 4 standard
- Conformal coated



XP21 Surge technical specifications

Physical properties

- Dimensions (surge card): 2.875 in. × 2 in. (7.30 cm × 5.08 cm)
- Dimensions (sensor hatch): 3.75 in. × 2.625 in. (9.52 cm × 6.66 cm)
- Weight: 0.19 lbs (0.08 kg)

Operating conditions

- Ambient operating temperature: -29°F to 165°F (-34°C to 74°C)
- Humidity: up to 95% RH

Connections

- M12 T-coded male cable connector

Surge protection

- DC power
 - Clamping voltage: 60 VDC
- Data
 - Clamping voltage: 5 VDC
- Surge immunity sensor ports: IEC/EN 61000-4-5 level 4

Testing

- NEMA 250 type 4X-compliant (when properly assembled) for:
 - External icing (clause 5.6)
 - Hose down (clause 5.7)
 - Corrosion protection (clause 5.10)
 - Gasket (clause 5.14)
- Complies with the applicable standards stated in the NEMA TS2-2003 standard.
- FCC-compliant
- Passes manufacturer's test before shipping

Support

- Extended support options available; contact a Wavetronix representative for more information
- Comprehensive user guide

Warranty

- Five-year warranty against material and workmanship defect

Ordering information

XP21 Surge
101-0483

Contact us

801.734.7200
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