The Arc Guard System from ABB builds on more than 35 years of arc protection device research and innovation combined with the new functions and features of the TVOC-2. With the TVOC-2, we deliver functional safety to both personnel and equipment.

- Certified according to functional safety, SIL-2 standard
- Detachable HMI with IP54 rating
- Wall or DIN-rail mounting
- Up to 30 fiber optic detectors
- Pre-calibrated fiber optic detectors
- TVOC-2 reaction time is 1-2 milliseconds
- 3 IGBT solid state tripping contacts
- Optional current sensing unit
- Fiber optic detector cables in lengths between 1 and 60 meters
- Supply voltage 100-240 V AC/DC

**Functional safety**

**Reliability**

- A unique standard in the arc mitigation market
  - Rated as a SIL-2 functional safety device
  - 1-2 milliseconds trip time
  - Probability of failure on demand is $3.49 \times 10^{-3}$ per year for a period of 10 years

**Increase installation Efficiency**

- Plug and play
  - Simple and fast installation
  - Plug and play pre-calibrated device
  - Easily expand switchgear with the use of extension modules

**Improve application Productivity**

- Secure up time of your business
  - TVOC-2 and breaker arc accident reaction time of 25-50 milliseconds
  - Minimal damage to the switchgear
  - Decreased downtime
  - Increased employee safety
SIL-2 certified
For use in safety applications

ABB is a global leader in power and automation technologies that enables industry customers to improve their performance while lowering environmental impact. The ABB Group of companies has annual revenues of $42 Billion and operates in 100 countries, employing 150,000 people worldwide.

ABB Inc.
Low Voltage Products
North American Division
1425 Discovery Parkway
Wauwatosa, Wisconsin 53226
www.abb.us/lowvoltage

USA Technical Support: 888-385-1221
Customer Service: 888-862-3290
7:00AM to 5:30PM, CST, Monday – Friday
lvps.support@us.abb.com