

Arc guard system – TVOC-2

Delivering functional safety to your facility



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 3.49×10^{-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

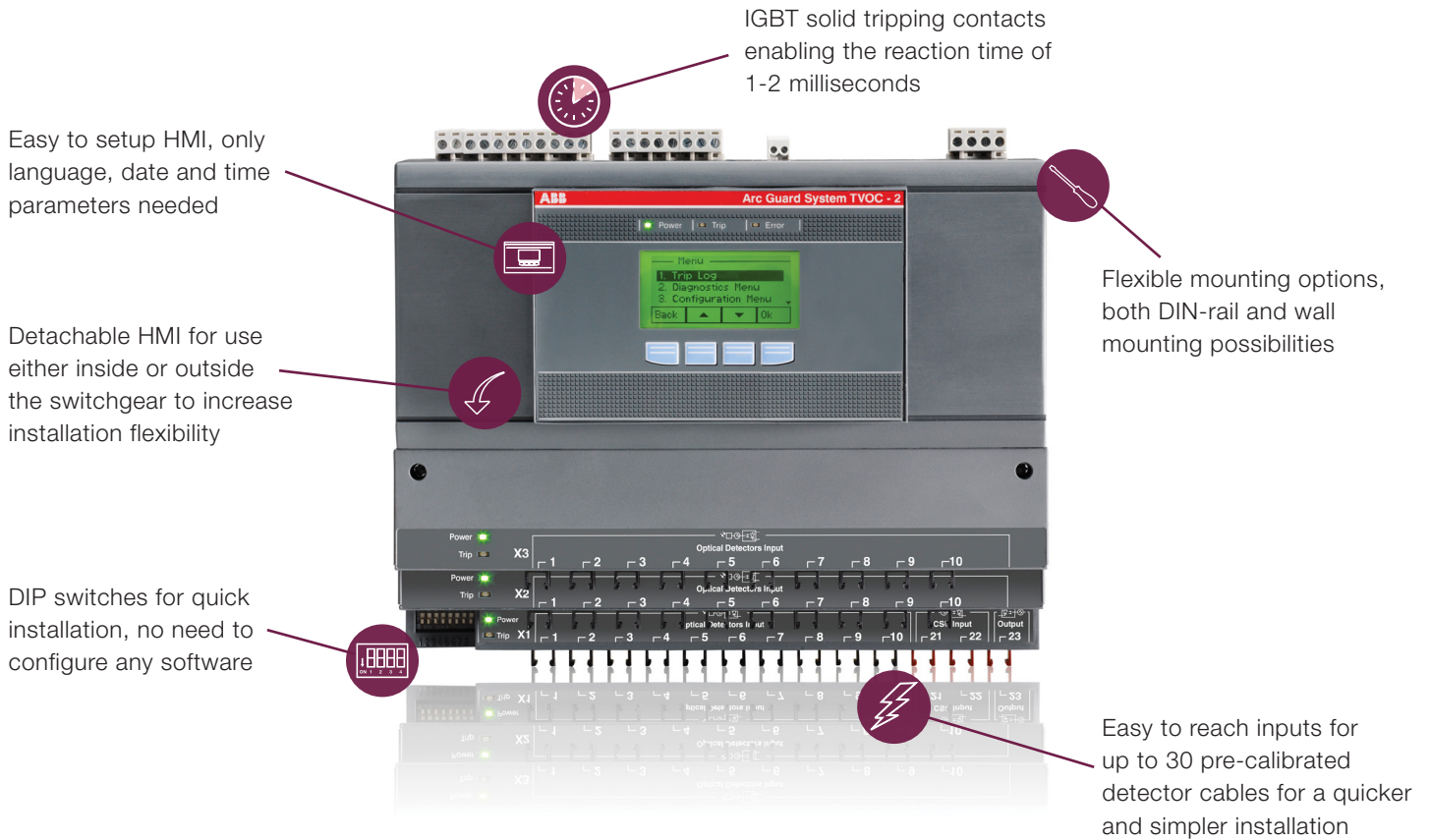
Improve **application**

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



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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.

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