

FACTSHEET

# ABB Ability™ AIS for MV

## UniSec Digital



UniSec is an indoor air-insulated switchgear for medium-voltage secondary distribution up to 24 kV, 1250A, 25kA. UniSec offers a broad portfolio of functional units and technical features and is suitable for a wide range of applications including industry, substations, data centers, small generation systems, buildings and infrastructures and smart grids.

- Air-insulated switchgear
- IEC 62271-200
- Rating up to 24kV 1250A 25kA
- Front access
- Top and bottom medium-voltage cable entry
- LSC2A and LSC2B service continuity classification
- Fixed and withdrawable circuit breaker
- Internal Arc Classification IAC AFLR
- Current and voltage sensors
- Relion® protection relay with integrated measurement
- IEC 61850 protocol communication



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## Customer benefits

### Digital technology

- Last minute customization and changes are possible thanks to sensor technology. Loads can be set at the last minute by simply changing the software parameters of the Intelligent Electronic Devices (IED)
- Thanks to the ABB Relion relays, the switchgear wiring does not need to be modified, you only need to update the software within the IED logic
- Fewer wires to install, commission and maintain thanks to IEC 61850 communication protocol and GOOSE messaging
- Sensors cover a broad range of primary loads, allowing stocks to be used and improving lead times
- Ability to monitor the condition of the switchgear using ABB's SWICOM
- Low energy analog output of the sensors prevents the open current transformer secondary circuit hazards

### Savings

- Space saving thanks to reduced sensor dimensions and availability of compact 500mm circuit breaker panel
- Less weight thanks to reduced limited sensor size
- Significant energy saving during operation thanks to the negligible power consumption of the sensors

### Lower environmental impact

- Less material for sensors, thereby reducing the amount of waste produced and significantly reducing the CO2 levels
- Further global warming potential (GWP) reduction with HBC panel and HySec apparatus with AirPlus™