

## General information

### Construction characteristics

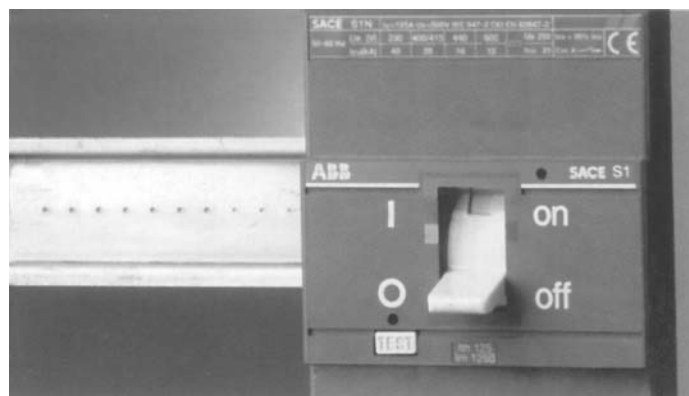
Isomax  
MCCBs



#### Protection classes

Various measures have been incorporated in Isomax S circuit-breakers to achieve IP20 protection for the fixed, plug-in and withdrawable versions of the circuit-breaker, excluding the terminals, and IP 30 for the front parts of circuit-breakers installed in switchboards.

The fixed parts are always IP20 protection grade. IP54 protection can be achieved for circuit-breakers installed in switchboards by using door-mounted crank handle operating mechanisms and special insulating gaskets that can be ordered separately.



#### Mounting on DIN channel up to Isomax S5

The brackets for mounting on the standardized DIN EN 50022 channels for S1 and S2 and on DIN EN 50023 for S3, S4, S5 simplify the fitting for the circuit-breakers on standard switchboards.

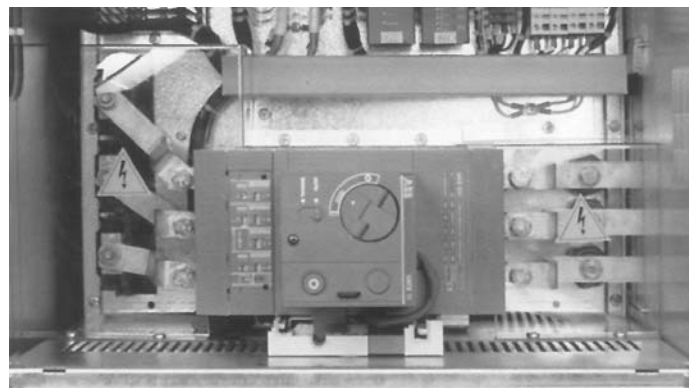
This allows standardized support structures to be installed and simplifies the phase for designing and building the switchboard structure.



#### Resistance to vibration

The circuit-breakers are unaffected by vibrations generated mechanically or by electromagnetic effects, in compliance with the IEC 68-2-6 standards and the strictest regulations set by the most important classification organizations:

- RINA
- DET Norske Veritas
- Lloyd's Register of Shipping
- Germanischer Lloyd
- Bureau Veritas



#### Installation positions

The circuit-breakers can be installed in any position with no variations to their rated characteristics.

In compliance with UL and IEC 947-2 standards, Isomax S circuit-breakers can be powered from either their top or bottom terminals, without affecting operation.

They can be installed in switchboards, mounted directly on the base plate or on DIN channels up to size S5.

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