

ABSTRACT**A CIRCUIT BREAKER WITH A CIRCUIT BREAKER UNIT AND PROCESSING, CALIBRATION AND COMMUNICATION MODULES**

The circuit breaker comprises a circuit breaker unit onto which there are fixed a communication module (4), a processing module (2) and a calibration module (3). The communication module communicates with the processing module only via a connection with galvanic isolation (11), preferably an optical connection, whereas the calibration module (3) is electrically connected (25) to the processing module. The communication module is, in addition, connected by a mechanical connection to parts of the circuit breaker unit representative of the state of the circuit breaker, and by a bidirectional electrical connection (28) to an external communication bus. An interface (23) connected to the circuit breaker unit can act as support for the calibration module (3) and for an additional module (15) containing information representative of the breaking capacity of the circuit breaker and electrically connected to the processing module (2).

(Refer to figure 3)