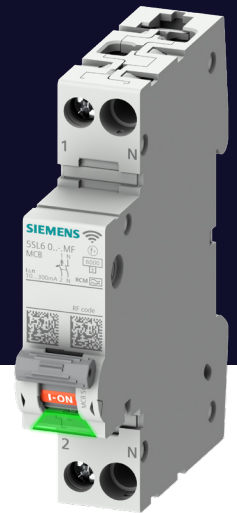


5SL6 COM RCM miniature circuit breaker

Residual current monitoring in the final circuit



Residual current
monitoring
function acc. to
DIN EN IEC 62020-1

Measuring and communication-capable 5SL6 COM RCM miniature circuit breakers with residual current monitoring record electrical parameters, information about the switching status and faults in the circuit. They communicate wirelessly with the SENTRON Powercenter 1000 data transceiver, which collects the measured values and transmits them to mobile devices, PCs or higher-level IoT interfaces for visualization and evaluation, which make them available for cloud applications.

Thanks to the residual current monitoring function (RCM), the miniature circuit breakers ensure increased transparency and system safety. These specialized monitoring systems are typically used in critical applications such as data centers, hospitals or industrial processes to ensure continuous monitoring of electrical safety and early detection of potential problems. RCMs detect trends and deviations in residual currents, enabling proactive maintenance and troubleshooting to improve electrical system reliability and minimize downtime. This ensures a high level of electrical safety and operational efficiency.

Cost efficient: Monitoring instead of testing



- Suitable for **constant monitoring of the residual current** in stationary systems and equipment in accordance with DIN EN IEC 62020
- Used as a system, it enables the replacement of manual **insulation resistance measurements** in recurring tests according to DIN VDE 0105-100/A1 or DGUV V3/V4

Condition monitoring: Optimizing maintenance effort & cost and system availability



- Enables early detection of critical system conditions by **residual-current trend analysis**
- Enables **predictive planning of maintenance work**
- Prevents **unexpected system outages**

High transparency regarding the causes of residual currents

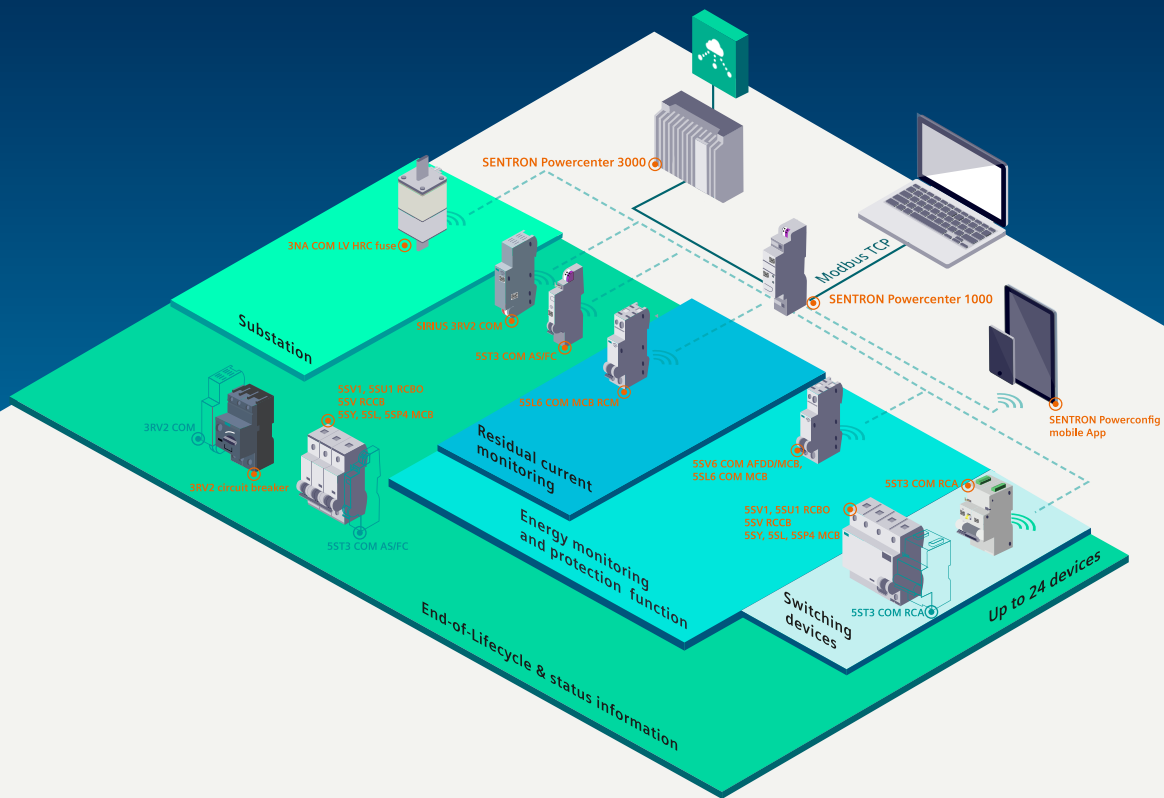


- Simultaneous **monitoring of multiple frequency ranges** allows precise **localization of the cause of the fault**

Enables operating-condition-dependent evaluation of residual currents



- **Simultaneous measurement of residual current and load current**
- Identification of abnormal system conditions that would not be detectable purely by residual current monitoring



5SL6 COM RCM miniature circuit breakers with measuring and communication function

Mounting width 1 MW
1P+N (N-pole right)
230 V AC/6 kA



Rated current I_n	Characteristic B	Characteristic C
2 A	–	5SL6002-7MF
4 A	–	5SL6004-7MF
6 A	5SL6006-6MF	5SL6006-7MF
8 A	–	5SL6008-7MF
10 A	5SL6010-6MF	5SL6010-7MF
13 A	5SL6013-6MF	5SL6013-7MF
16 A	5SL6016-6MF	5SL6016-7MF
20 A	5SL6020-6MF	5SL6020-7MF
25 A	5SL6025-6MF	5SL6025-7MF
32 A	5SL6032-6MF	5SL6032-7MF

SENTRON Powercenter 1000 data transceiver

Mounting width 1 MW

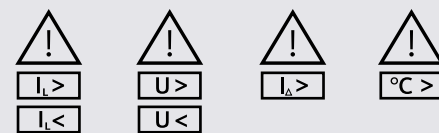


Article number	7KN1110-0MC00
Supply voltage	24 V DC
Applicable devices	24 wireless circuit protection devices
Interfaces	Bluetooth, Ethernet (Modbus TCP)

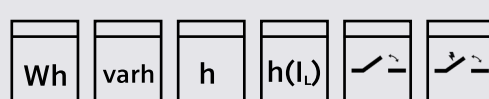
Wide range of metering functions



Threshold alarms



Counter functions



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