



Current Measurement System

A new level of efficiency and availability

Power and productivity
for a better world™

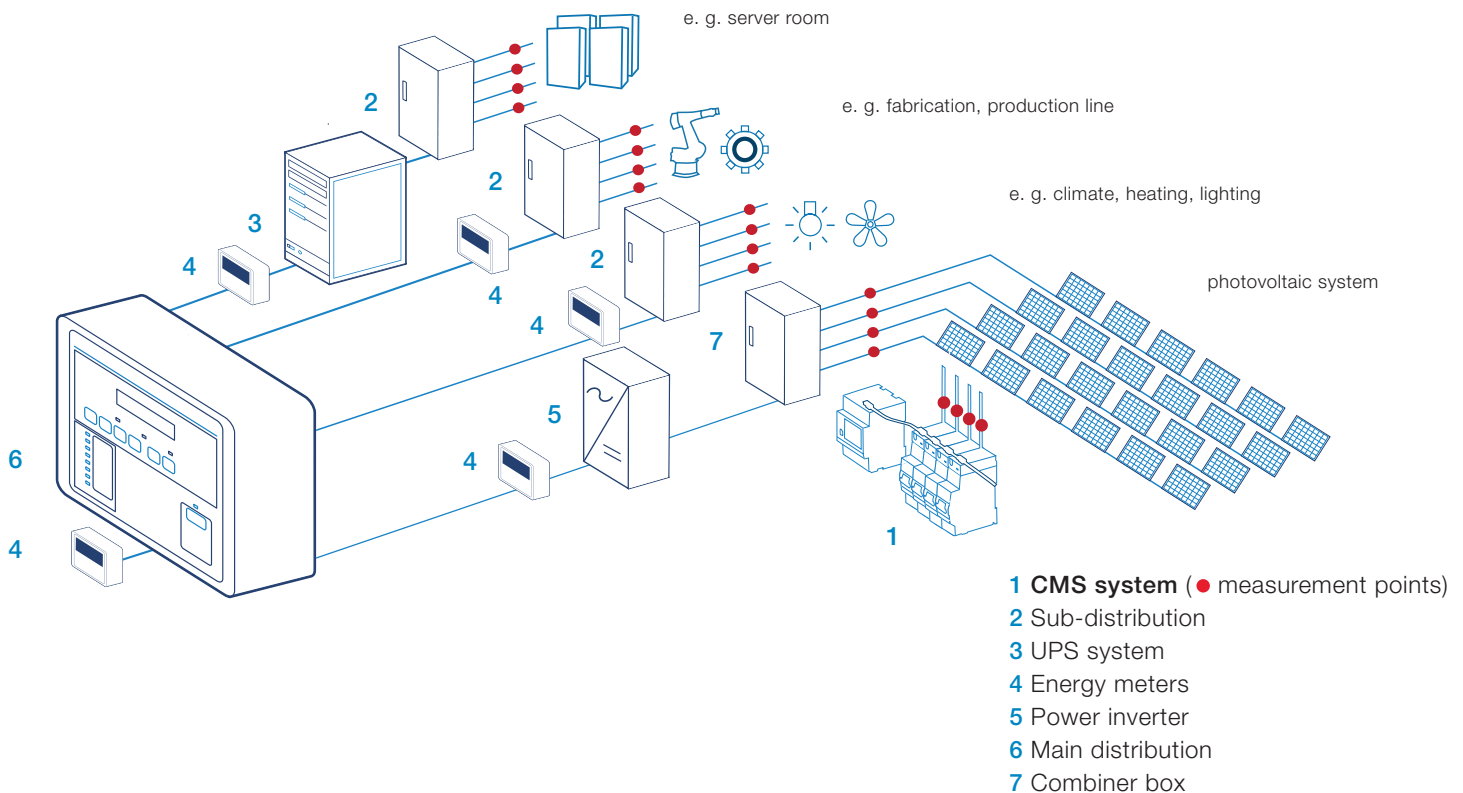


Current Measurement System

A system full of benefits

The CMS is a multi-channel current measurement system for branch monitoring of AC and DC currents. Measuring currents within power distribution units (PDUs) and very close to the electrical loads, increases the efficiency and availability of every installation.

The quality of a current measurement system is determined by the perfect interaction and strength of its individual parts. This is where the CMS system from ABB sets the bar high. Every component and feature of the CMS is optimized perfectly for practical application and function – regardless of its compact size, technology, measurement results, user-friendliness or flexibility.



Minimal space requirements

Small, smaller, CMS – All that is required for effective measuring is placed in a width of 17.5 mm or 25 mm.



A sensor for all types of current

Regardless of DC, AC or mixed current, CMS sensors record everything within a huge measurement range of up to 160 A.



Easy installation

The sensors are mounted in a few easy steps. The connection can be made without special tools and there is no longer any need for expensive conventional cabling.



Expandable and easily retrofitted

The system can be expanded or modified at any time due to its flexible and modular design. Sensors can be individually installed at a later date.



User-friendly commissioning

Configuration is easy. The intuitive navigation layout allows the system to be set up on the touch screen. Within minutes, it is ready to start measuring.



Maximum reliability

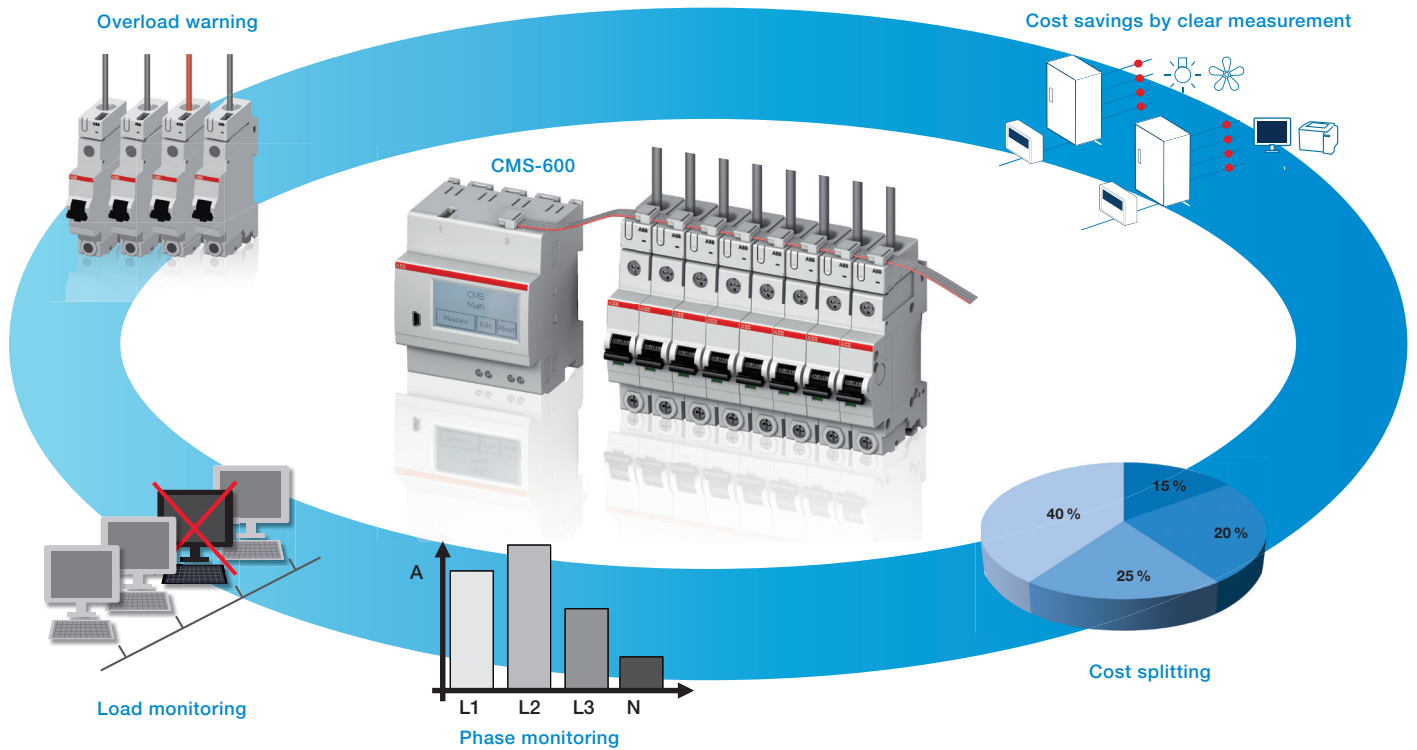
The contact-free measurement method means that potential errors are prevented from the outset. The minimal cabling efforts ensure maximum system stability.

Early warning system Prevent downtime


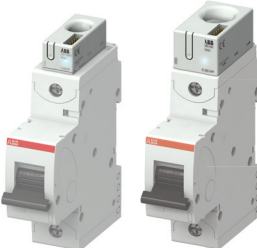
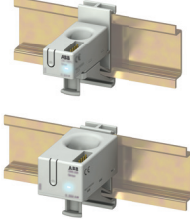








Commercial and industrial companies are very dependent on the trouble-free operation of their electrical systems. Monitoring every branch circuit of an installation with the CMS enables you to quickly detect issues before serious damage occurs.

Cost analysis Cost saving and splitting

Branch monitoring gives maximum clarity on where and how the electricity is used. It enables you to do an effective energy management analysis in order to save and efficiently assign costs.



To integrate the sensors within PDUs, there are four different mounting variants available.

Mounting	pro M compact & SMISLINE* for all ABB MCBs, RCDs, RCBOs with twin terminals	S800 for all ABB S800 devices with cage terminals	DIN-Rail universal use	Cable tie universal use
Sensor type				
Sensors 18 mm CMS-100xx (80 A) CMS-101xx (40 A) CMS-102xx (20 A)	CMS-xxxPS 	CMS-xxxS8 	CMS-xxxDR 	CMS-xxxCA 
Sensors 25 mm CMS-200xx (160 A) CMS-201xx (80 A) CMS-202xx (40 A)		CMS-xxxS8 	CMS-xxxDR 	CMS-xxxCA 

*Not usable on UL 489 MCBs

Contact

ABB

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