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Reliable Condition Monitoring for Factory Automation

PRESS RELEASE 09/17

Turck's IM12-CCM cabinet guard continuously monitors the relevant ambient variables inside control cabinets and protective enclosures

Mülheim, March 29, 2017 – Turck is showcasing the IM12-CCM cabinet guard at the Hannover Messe. The device detects incorrectly closed doors as well as the exceeding of moisture and temperature limits. It also detects unauthorized access to switch cabinets, thus providing protection against manipulation in compliance with IT security regulations. The slim 12.5 mm DIN-rail device can also be installed easily in existing switch cabinets.

The IM12-CCM features an internal data logger with time stamp and stores data for up to two years. This enables users to also detect creeping changes over long periods and rectify the cause. An interface enables two cabinet guards to be operated in master-slave mode in order to monitor correct door closing and the other limit values simultaneously at two points in the control cabinet. The master processes the data of the slave and sends a signal to the controller.

The standard IM12-CCM comes with two switch contacts and an IO-Link interface. Quick teach mode enables the user to set the limit values easily in the field. Alternatively, parameters can be set via IO-Link or an FDT framework such as PACTware. The IM12-CCM is the second cabinet guard in the Turck portfolio. It supplements the IMX12-CCM module which is intended for use in hazardous areas.

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Turck's IM12-CCM (left) and the IMX12-CCM cabinet guards are designed for use in non-Ex and Ex areas

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