

Efficient Condition Monitoring for Cabinets and Protective Housings

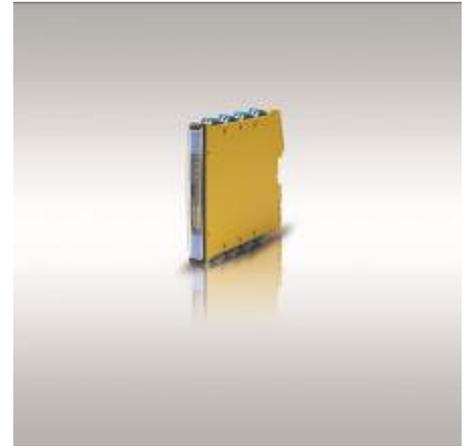
Turck's latest IMX12-CCM cabinet condition monitor continuously monitors the relevant ambient variables

Mülheim, March 15, 2016 – Turck shows an entirely new device class at the Hannover Messe: The cabinet guard IMX12-CCM (Cabinet Condition Monitoring). The new multifunctional device has already been presented as a study at the Achema and will be available ex stock from the beginning of the fair. The CCM can be installed and also retrofitted in virtually any control cabinet or protective housing in order to continuously monitor the actual degree of protection. The rail-mounted device uses a simple switch signal to indicate to the control system any incorrect closing of doors or the exceeding of limit values for temperature and interior humidity.

The 12 mm wide IMX12-CCM comes with an intrinsically safe 2-wire isolating transducer interface, thus enabling it to be used also in explosion hazardous areas. The simple teach-in process can be carried out directly on the device without the need for a computer or any additional tools. The standard HART interface is provided for additional diagnostic options, such as for reading out the absolute measured values.

Besides the interface technology, Turck's control cabinet guard offers a range of sensors which monitor the actual status of the environment: a temperature sensor, an absolute humidity sensor and a triangulation sensor. This last sensor measures the distance to the cover or door and thus monitors correct closing. In order to detect humidity problems, the IMX12-CCM monitors these long-term trends and compares them with the taught safe condition. As soon as defined limit values have been exceeded, this is indicated to the control level via a potential-free contact. The IMX12-CCM is IEC-Ex and ATEX approved.

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Turck's new cabinet guard IMX12-CCM also detects creeping changes in the control cabinet

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