

Product Information

RM-Ax

Interface module to integrate real-time sensors into the Rail-Module-Bus

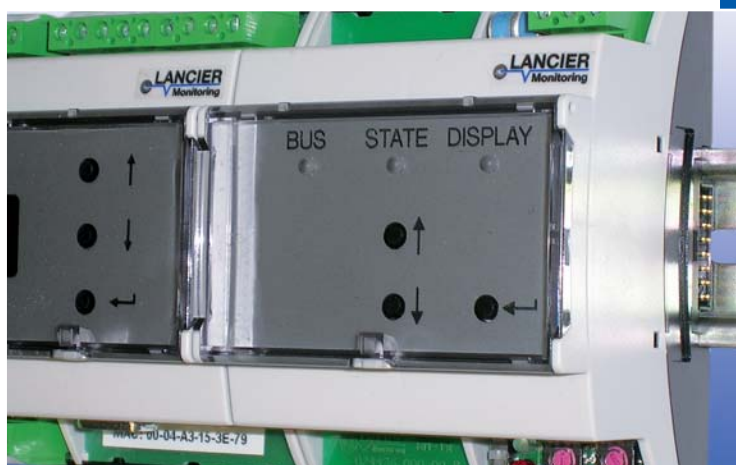
The LANCIER Monitoring Rail-Module-Bus is a modular and robust sensor system.

Several measuring modules are mounted on a DIN rail and are directly connected to one another by means of plug-in contacts. The supply voltage, data analysis and control panel as well as their transmission to the remote measuring stations are carried out via the RM-Basic module.

The operating range might cover up to 10 km depending on the quality of the used copper monitoring pair.

The RM-Ax interface module integrates Ax-bus sensors into the RM-Module-Bus system, e.g. for contact monitoring. The sensor's thresholds are set at the server by the connected monitoring system.

An individually startable real-time measurement can be used for fault diagnostics. The corresponding measured values are displayed at the RM-Basic module.



Technical Data

Number of measuring channels	1 for 10 Ax-Bus sensors
Measuring voltage	40 V DC typ., galvanically isolated
Bus type	M-Bus
Transfer rate	2400 Baud
Current limiting typ.	45 mA
Input sensitivity	≥ 35 dB typ. (600 Ω)
Supply voltage	12 V / 5 V DC by RM-Basic module 20 .. 72 V CD by connection terminals
Power consumption	max. 8 VA
Input measuring line pulse strength	1.2/50 μs 1000 V
Operating temperature range	-20 °C .. +65 °C
Storage temperature range	-40 °C .. +70 °C
Admissible ambient humidity	0 .. 95 % rel. humidity, non-condensing
Display	Monochrome LC-Display by RM-Basic module
Signal LEDs per measuring channel	
BUS green / red	red: Signals pending green: Measuring channel activated
STATE green / red	red: Measuring interval green: Operation
DISPLAY blue	Display operation
Dimensions RM-Ax (W x H x D)	72 x 89 x 65 mm

Ordering Data

RM-Ax

Interface module to integrate real-time sensors into the Rail-Module-Bus

Order-No. 074006.000

RM-Basic

Power supply, communication and display module for the RM-Bus

Order-No. 074001.100

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System diagram

Rail-Module-Bus

with RM-Basic module for power supply, measurement value display and forwarding
with RM-Ax module for the reading of Ax-Bus sensors.

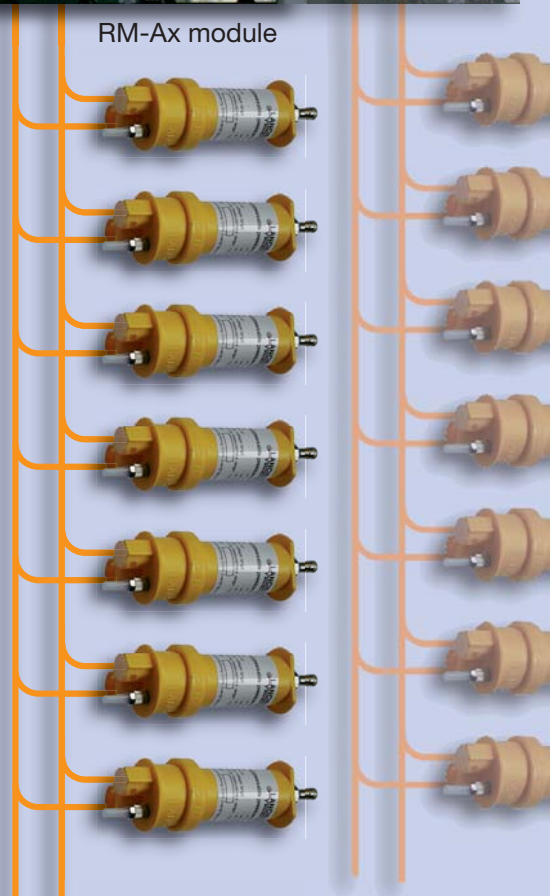


RM-Basic module

RM-Ax module

Real-time sensors for

- contact (e. g. manhole covers or doors)
- further parameters on demand



Each RM-Ax module can read
up to 10 sensors on 1 Ax-bus.