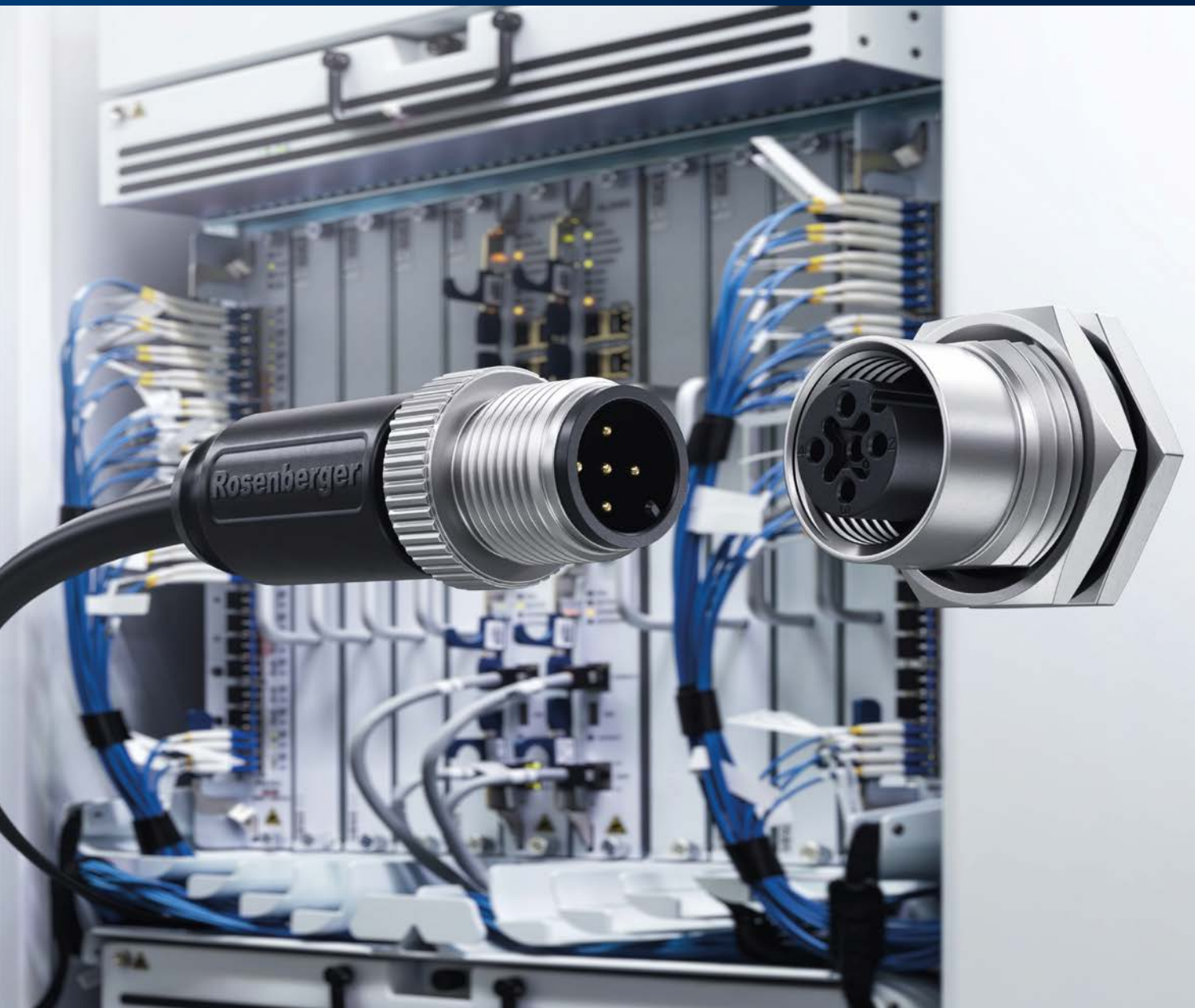


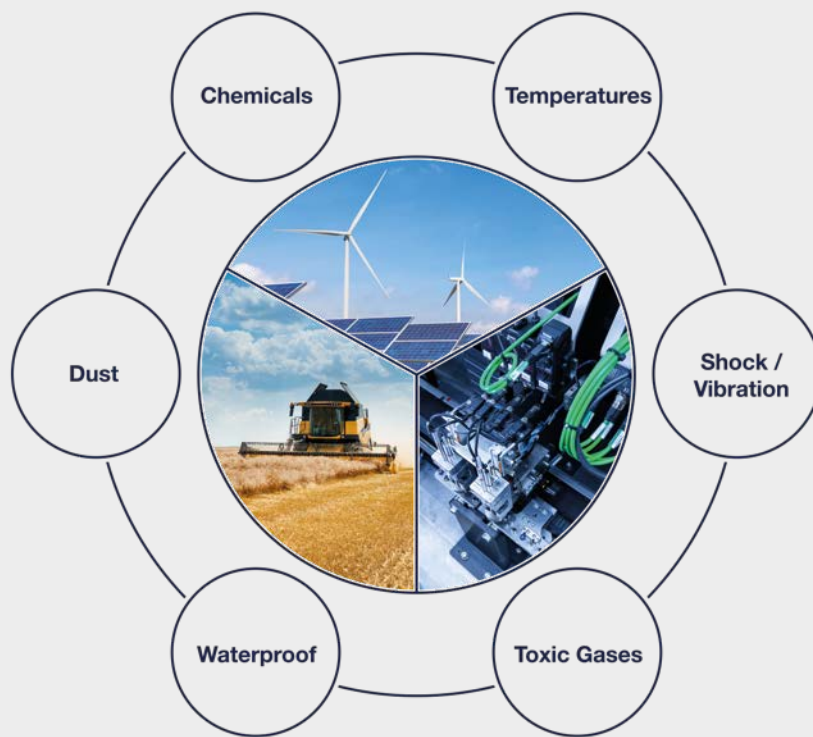
Rosenberger

Signal, Data and Power

Circular Connectors

INTERCONNECT





Circular Connectors

Circular Connectors – Reassuringly Robust in Industrial Use

The demand for circular connectors has increased significantly due to the boom in the automation industry. As more and more sensors and actuators are integrated into machine and system installations, circular connectors have become the preferred connection approach. Various designs based on IEC 61076 are available enabling complete installation solutions in harsh industrial environments – from the control cabinet to the sensor. These include overmolded cable assemblies, PCB and panel mount connectors in different variants and hybrid solutions.

The circular connector portfolio continues to evolve, creating new applications and industries. They are used not only for the classic connection of sensors, but also for power supply.

One common feature connects all variants: their standardized and robust suitability for industrial use.



Circular Connectors

Portfolio

M8/M12 Features

- Standardized according to IEC 61076
- Frequency range DC up to 500 MHz
- Mating cycles ≥ 100
- Rated current up to 16 A
- Different codings and number of contacts available
- Protection class IP67 (mated condition)
- Shielded or unshielded cable assemblies
- Variants for THT, THR and SMD process available

Benefits

- Robust
- Cost optimized



Circular Connectors

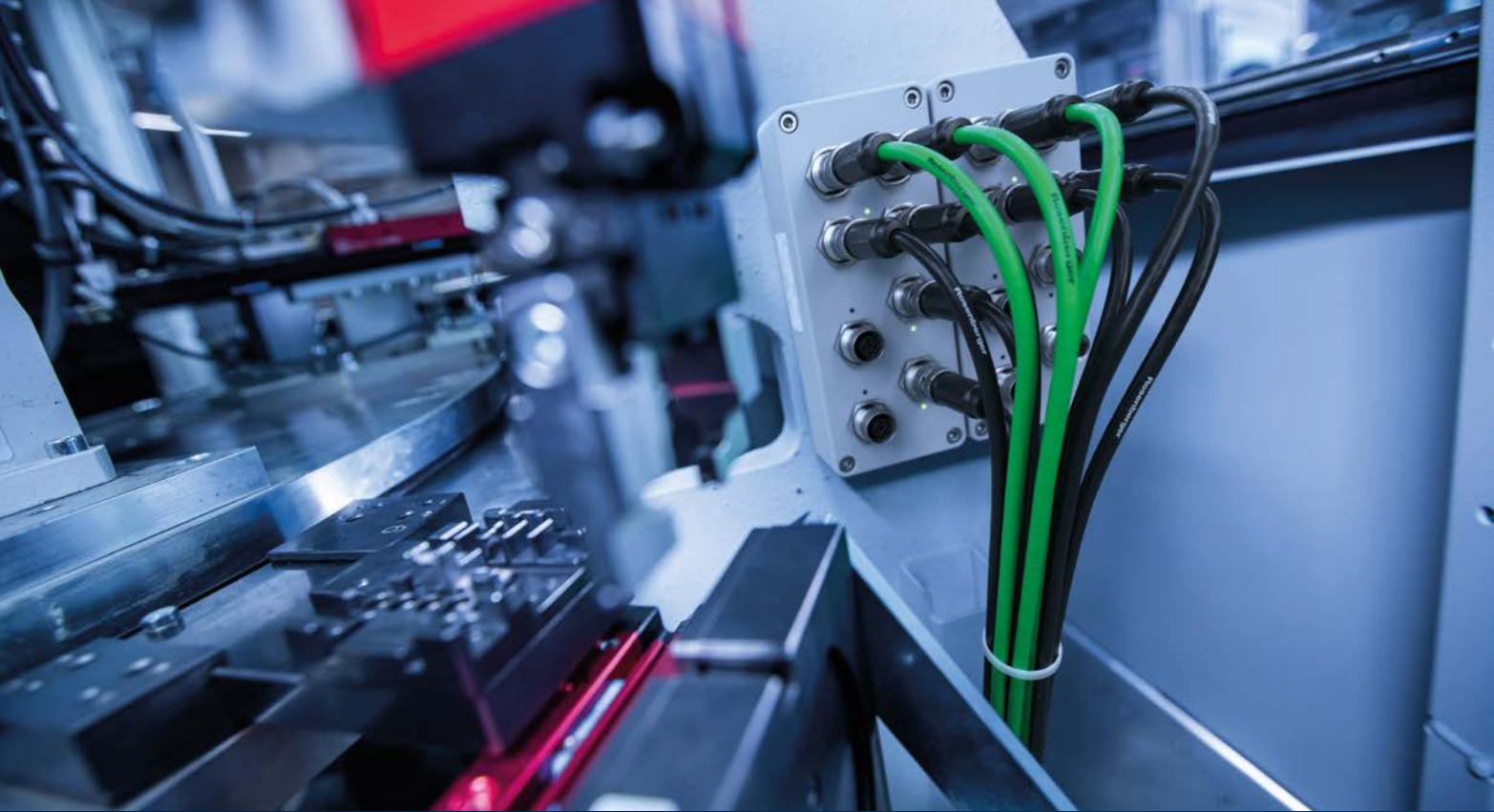
Codings

M8

Coding	Current	Voltage	Number of contacts	Applications
A	1,5-3 A	30 VAC - 60 VDC	3-8	Signal, Data
D	4 A	50 VAC/60 VDC	4	Signal, Data

M12

Coding	Current	Voltage	Number of contacts	Applications
A	1,5-4 A	30-250 V	2-17	Signal, Data
B	4 A	60 V	5	PROFIBUS
D	4 A	250 V	4	EtherNet, EtherCAT, PROFINET, Sercos
K	12 A	630 V	4+1	Power supply
L	16 A	63 V	4+1	Power supply
S	12 A	630 V	4	Power supply
T	12 A	63 V	4	Power supply
X	0,5 A	50 VAC/60 VDC	8	EtherNet, PROFINET



Circular Connectors

Applications

- Sensor and Actuator Applications
- Wiring of assembly lines
- Connecting Solutions for PCBs
- IP 67 protected panel mount solutions
- Conveyer Technology
- Servo Motors
- Robotics
- Factory Automation
- Linear Drives



Website

For more information refer to our website:
www.rosenberger.com/circular-connectors

Rosenberger

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