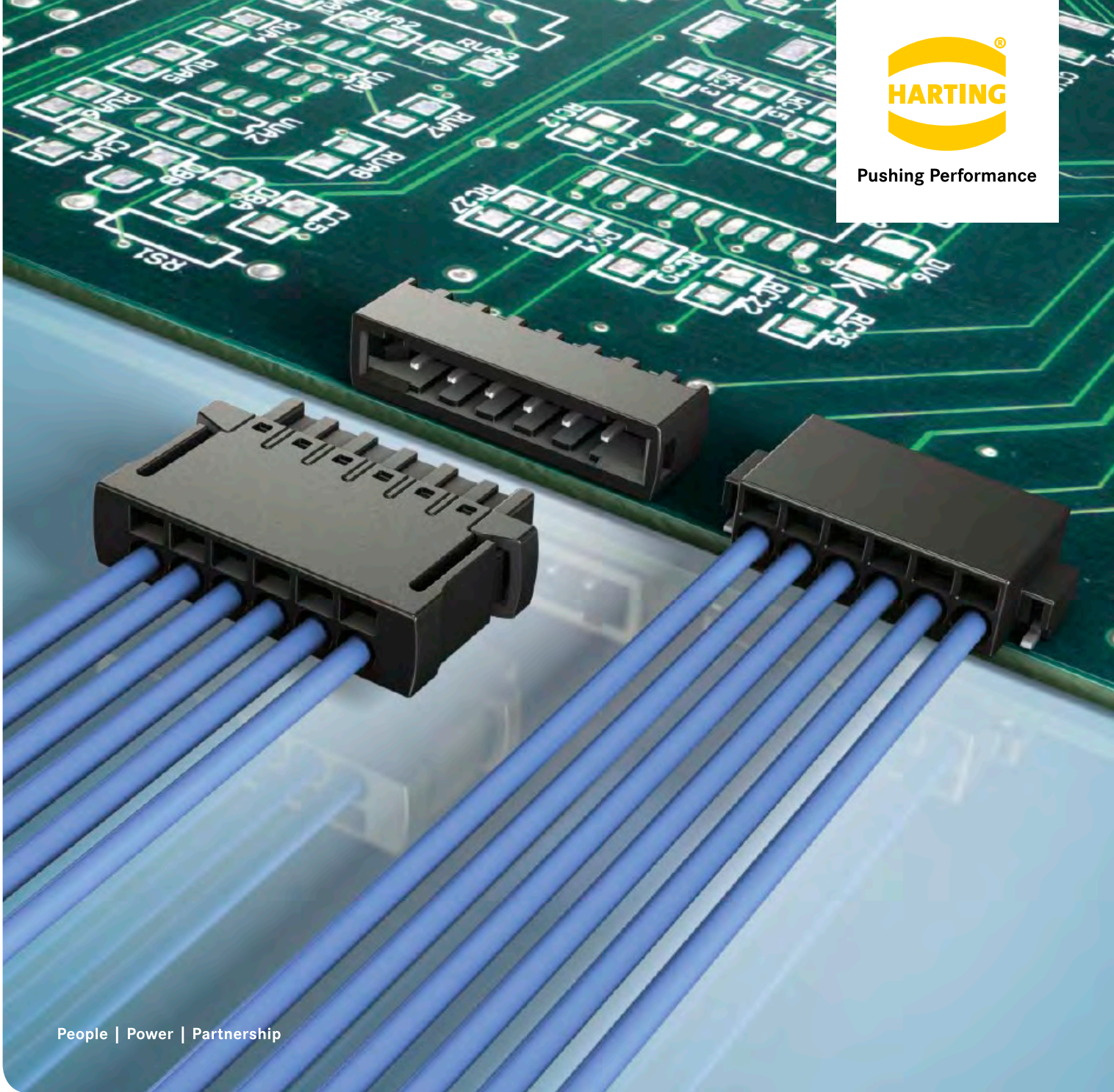




Pushing Performance



People | Power | Partnership

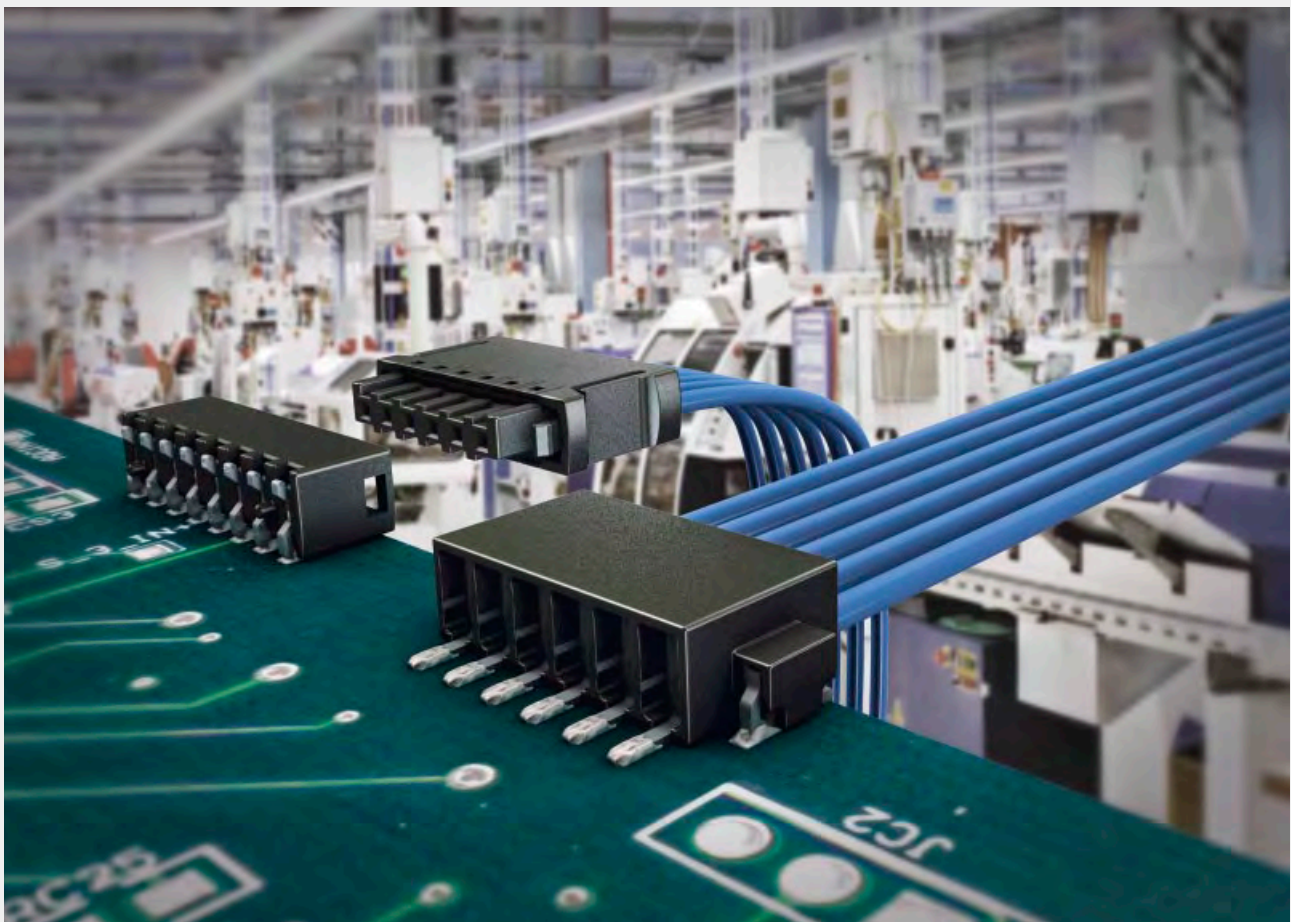
HARTING *har-flexicon*®

SMT terminal blocks
with fast connection technology

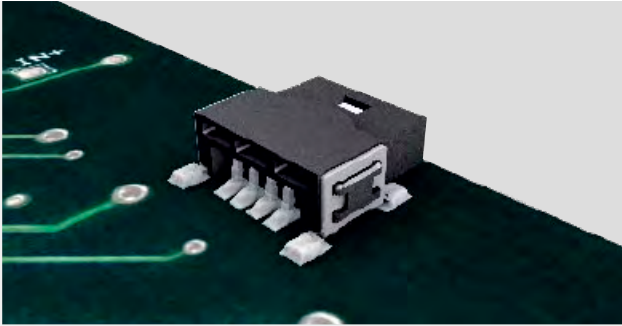
HARTING *har-flexicon*® – pluggable single conductor wiring of I/O signals

Innovative device connectivity technology for all lifelines of industrial devices – it routes power, data and signals through the side of the device to the PCB.

HARTING *har-flexicon*® is the miniature SMD connector for the rapid connection of single wires and provides a perfect link between the periphery and PCBs in industrial devices. HARTING is thereby continuing along the path already taken with the *har-flex*® of rethinking and methodically optimizing device connectivity technology.



har-flexicon® is the innovative PCB termination technology in pitch 2.54 mm for industrial deployment



High level of rigidity on the PCB with side SMT fixing over a large area



Reflow and SMD-solderable components for automated mount and soldering processes

Rapid connection of individual wires

har-flexicon® is very easy and quick to use for the smallest of designs. This, in conjunction with a precise cable manager, is what the IDC and the push-in spring-cage termination technology guarantees.

Robust SMD design

The large-area SMT fixings of *har-flexicon*® provide a sturdy connection to the PCB. Insertion and withdrawal forces can be absorbed in order to take the pressure off solder contacts on the connection side.

Fully automatic processing

The use of reflow and SMD-solderable components in automated mount and soldering processes simplifies, and hence optimizes, the production of PCBs.



Rapid, tool-less connection of single wires



Integrated solutions: **HARTING** *har-flex*® and *har-flexicon*®

The new *har-flex*® and *har-flexicon*® PCB connectors are setting the future standard for highly efficient PCB connectivity and sturdy miniaturization.

Collectively they form the entire spectrum – from device connectivity and internal device wiring right up to board-to-board connections. Devices from the same stable are born this way – with a standardized connector design.

The standardized design of HARTING *har-flex*® and *har-flexicon*®:

- Robust and miniaturized design
- Economic PCB connectivity with fully automatic processability
- Many pole counts available

The special feature of *har-flex*® connectors

- Product diversity with different connector styles
- Flexible PCB separation distances between 8 and 13.8 mm and four different stack heights
- Cable assemblies



har-flex® and *har-flexicon*® product families



har-flexicon® styles

HARTING *har-flexicon*® – single wire quickly onto the PCB

Product benefits at a glance

- Rapid, tool-less connection of single wires with Insulation Displacement Connection (IDC), push-in-spring-cage connection and screw connection up to 2.5 mm²
- Low processing costs with automatic mount (SMT) and reflow soldering process
- High level of rigidity on the PCB with side, large-area SMT fixings (1.27 mm and 2.54 mm)
- High packaging density in pitches 1.27 mm and 2.54 mm
- PCB terminal blocks and PCB connectors in 1.27 mm, 2.54 mm, 3.50/3.81 mm and 5.00/5.08 mm pitch

Pitch		1.27 mm	2.54 mm	3.50 / 3.81 mm	5.00 / 5.08 mm
PCB	PCB terminal block		 SMT/push-in termination	 THR/push-in termination	 THR/push-in termination
	Male connector (for female connector)	 SMT termination	 SMT termination	 THR termination	 THR termination
Connector	Female connector	 IDC termination	 Push-in termination	 Push-in/screw termination	 Push-in/screw termination



Pushing Performance

HARTING Technology Group

Marienwerderstraße 3, 32339 Espelkamp, Germany

P.O. Box 1133, 32325 Espelkamp, Germany

Phone: +49 5772 47-0, Fax: +49 5772 47-400

info@HARTING.com

www.HARTING.com