

**Business Unit:** Electric **PI/17/093/C+N**  
**Product range:** Han / Pneumatisch **Date:** 2018-01-09  
**Author:** Finn Timmermann  
**Title:** **Han-Modular pneumatic contacts angled - PI.docx**



Dear colleagues,

we want to inform you about the newly developed additional version of the Han® pneumatic contacts metal. These contacts are equipped with an angled fitting at the termination side of the contacts.

This product allows the customer the use of the metal pneumatic modules in applications with very little available space. The angled contacts prevent the pneumatic tubes from crippling within hoods, housings or customer's applications because of the specified bending radii are not exhausted to a maximum. Hence we improved the termination process and assure a safe routing of the pneumatic tubes within Han-Modular® connectors.

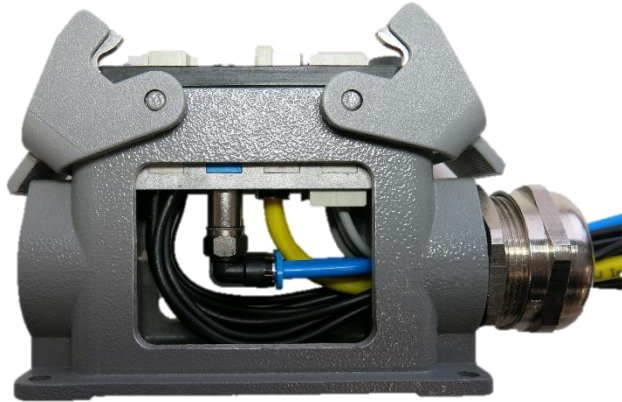
**The newly developed contacts will be available using the following part numbers:**

Partnumber	Description
09140007353	Pneumatic contact metal angled OD 3 male
09140007354	Pneumatic contact metal angled OD 4 male
09140007356	Pneumatic contact metal angled OD 6 male
09140007453	Pneumatic contact metal angled OD 3 female
09140007454	Pneumatic contact metal angled OD 4 female
09140007456	Pneumatic contact metal angled OD 6 female
09140007463	Pneumatic contact metal angled OD 3 female + valve
09140007464	Pneumatic contact metal angled OD 4 female + valve
09140007466	Pneumatic contact metal angled OD 6 female + valve

The new version of metal pneumatic contacts will be available for the Push-In termination technique for pneumatic tubes with a calibrated outer diameter (OD).

**This product will be available at the end of January 2018**

**Example of usage within Han® connectors**



**Customer benefits of angled metal pneumatic contacts**



**Safety**

Safe routing of pneumatic hoses, without the risk of crippling inside housings or customer applications



**Time saving**

Easy assembly without any additional tools



**Flexibility**

Angled contacts are 100% mating compatible with all existing metal pneumatic contacts

## Market background

- Especially within machines for production processes the usage of pneumatic components has grown significantly.
- The degree of modularisation inside production lines also increases due to lower costs, quicker lead times, easy service and exchange of production units.
- Simultaneously the trend for miniaturisation and energy efficiency results in more compact interfaces that transmit different signals, power, data and compressed air inside one connector.
- The amount of interfaces for pneumatics inside the machinery market is growing rapidly. The need to combine power, data, signals and other mediums is a perfect approach for the Han-Modular® portfolio.

## Examples for possible application fields

- Applications that combine the request for power, data, signals and pneumatics within a single interface.
- Machines that work with exchange units which are equipped with pneumatic components.
- Applications that request modules for high mating cycles (HMC)
- Applications with very little available space (angled contacts)

## Examples for market subsegments

- Assembly lines
- Conveying systems
- Paper processing machines
- Injection molding
- Metal forming
- Tool systems
- Test and measurement systems



Exchange unit for quick and safe connection with pneumatic modules

## Target Markets



Machinery



Robotics

 <b>HARTING</b> Pushing Performance	<b>HARTING</b> <b>Product Information</b>	<b>PI</b>
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**For further information regarding competition and product features, please check**

[Battlecard](#)

[Datasheet](#)

[Assembly instruction - video](#)

[Brochure – technical specifications & assembly instruction](#)

**For prices, stock and lead times please check SAP.**

Best regards,

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