



Pushing Performance



People | Power | Partnership

## **HARTING** Han-Modular® Flexbox

### The next dimension of modularity

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The housing that adapts to your requirements

# Easy installation: **HARTING Han-Modular® Flexbox**

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HARTING has expanded its housing series by an innovative, highly flexible and time saving solution: the **Han-Modular® Flexbox**. Its flexibility is based on a modular building block system, which enables the user to combine several housings into a single connector.

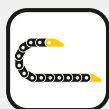
By implementing the Han-Modular® Flexbox for example into an energy chain system, the time needed to connect, disconnect or replace elements is reduced by over 90%. This results in a reduction of machine downtimes and keeps the supply of power, data and signals running stable.



**Quick and safe  
connection**



**Flexible building  
block system**



**Suitable for  
drag chains**



# Modular housing and inserts: **HARTING** Han-Modular® Flexbox

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The Han-Modular® Flexbox offers a very slim design. This saves space and enables a high pin count in every application, especially when multiple housings are combined to one connector. The integrated seals and strain relief make the Han-Modular® Flexbox a stand-alone solution, which adapts to your requirements.

HARTING upholds the flexibility of the housing series also on the inside of the connector. With the integration of Han-Modular® modules, the possibilities of combinations are nearly endless. Choose from the broadest range of electrical, optical and pneumatic modules on the market to make the Han-Modular® Flexbox your individual interface



Compatible with  
Han-Modular® portfolio



Over 100  
modules available

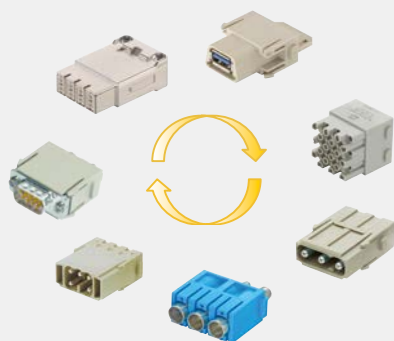


Transmit power, data  
and signals in one interface



# Easy installation: **HARTING** Han-Modular® Flexbox

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Select modules from broadest product range worldwide



Define number of housings



Select locking and fixing elements



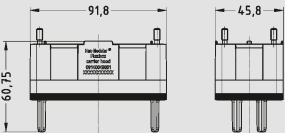
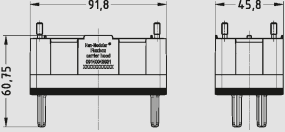
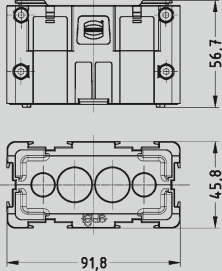
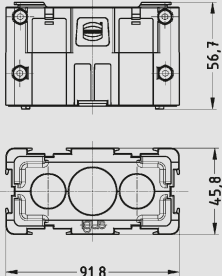
Create an individual interface



Combine housings to one unit

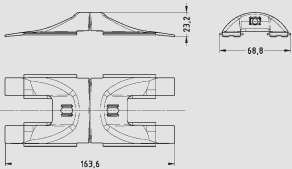
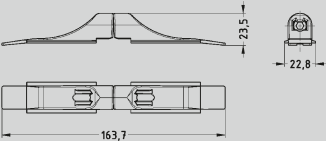
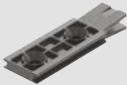
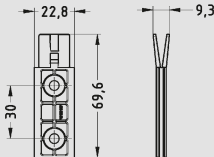
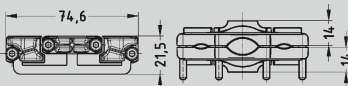
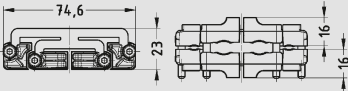
# Technical Characteristics

## Components and Part numbers

|                           | Indentification | Figure                                                                              | Drawings                                                                            |
|---------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Housing A ... D           | 09 14 004 8001  |    |    |
| Housing a ... d           | 09 14 004 8101  |    |    |
| Cover for 4 cable entries | 09 14 000 8014  |   |   |
| Cover for 3 cable entries | 09 14 000 8013  |  |  |

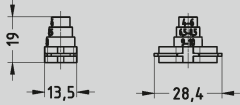
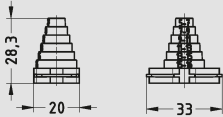
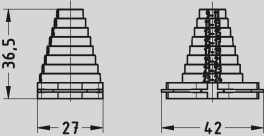
# Technical Characteristics

## Components and Part numbers

|                                      | Indentification | Figure                                                                              | Drawings                                                                            |
|--------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Double locking element               | 09 14 000 8022  |    |    |
| Single locking element               | 09 14 000 8021  |    |    |
| Fixing element                       | 09 14 000 8020  |    |    |
| Strain relief - cover with 3 entries | 09 14 000 8033  |  |  |
| Strain relief - cover with 4 entries | 09 14 000 8034  |  |  |

# Technical Characteristics

## Components and Part numbers

|                                            | Identification | Figure                                                                            | Drawings                                                                          |
|--------------------------------------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Bellows seal<br>insrt small<br>4 - 10 mm   | 09 14 000 8100 |  |  |
| Bellows seal<br>insert medium<br>5 - 16 mm | 09 14 000 8200 |  |  |
| Bellows seal<br>insert large<br>9 - 24 mm  | 09 14 000 8300 |  |  |

## Safety notice



The modules listed in the table below must not be used in the Han-Modular® Flexbox.

| Module                          | Part no.                        |
|---------------------------------|---------------------------------|
| Han® 100 A module (axial screw) | 09 14 002 265X / 09 14 002 275X |
| Han® 70 A module (axial screw)  | 09 14 002 264X / 09 14 002 274X |
| Han® 70 A Hybrid module         | 09 14 005 264X / 09 14 005 274X |
| Han® HV module ("double")       | 09 14 002 302X / 09 14 002 312X |
| Han® HV single module           | 09 14 002 3025 / 09 14 002 3125 |
| Han® Megabit module             | 09 14 008 30XX / 09 14 008 31XX |
| Han-Smart® Ethernet switch      | 09 80 113 0400                  |

|            |                    |                            |                            |                            |                            |
|------------|--------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 70 - 200 A |                    | Han® 200 A Crimp module    | Han® 100 A Crimp module    | Han® 100 A Single module   | Han® 70 A Crimp module     |
|            |                    |                            |                            |                            |                            |
|            | Number of contacts | 1'                         | 2'                         | 1                          | 2                          |
|            | Electrical data    | 200 A / 1000 V             | 100 A / 1000 V             | 100 A / 830 V              | 70 A / 1000 V              |
|            | Cross-section      | 25 ... 70 mm²              | 10 ... 35 mm²              | 10 ... 35 mm²              | 6 ... 25 mm²               |
|            | Termination type   | Crimp termination, Han® HC | Crimp termination, Han® HC | Crimp termination, Han® HC | Crimp termination, Han® HC |
|            | Male module (M)    | 09 14 001 3001             | 09 14 002 3051             | 09 14 001 3031             | 09 14 002 3041             |
|            | Female module (F)  | 09 14 001 3101             | 09 14 002 3151             | 09 14 001 3131             | 09 14 002 3141             |
| 40 A       |                    | Han® 40 A Crimp module     | Han® C module              | Han® CC module             | Han® CD module             |
|            |                    |                            |                            |                            |                            |
|            | Number of contacts | 2                          | 3                          | 4                          | 3 + 4                      |
|            | Electrical data    | 40 A / 1000 V              | 40 A / 690 V               | 40 A / 830 V               | 40 A + 10 A / 830 V        |
|            | Cross-section      | 1.5 ... 10 mm²             | 1.5 ... 6 mm²              | 1.5 ... 6 mm²              | 0.14 ... 6 mm²             |
|            | Termination type   | Crimp termination, Han® C  | Crimp termination, Han® C  | Crimp termination, Han® C  | Crimp, Han® C + Han D®     |
|            | Male module (M)    | 09 14 002 3002             | 09 14 003 3001             | 09 14 004 3041             | 09 14 007 3001             |
|            | Female module (F)  | 09 14 002 3102             | 09 14 003 3101             | 09 14 004 3141             | 09 14 007 3101             |
| 16 A       |                    | Han E® module              | Han® EE module             | Han® EEE module            | Han E® Protected module    |
|            |                    |                            |                            |                            |                            |
|            | Number of contacts | 6                          | 8                          | 20*                        | 6                          |
|            | Electrical data    | 16 A / 500 V               | 16 A / 400 V               | 16 A / 500 V               | 16 A / 830 V               |
|            | Cross-section      | 0.14 ... 4 mm²             | 0.14 ... 4 mm²             | 0.14 ... 4 mm²             | 0.14 ... 4 mm²             |
|            | Termination type   | Crimp termination, Han E®  | Crimp termination, Han E®  | Crimp termination, Han E®  | Crimp termination, Han E®  |
|            | Male module (M)    | 09 14 006 3001             | 09 14 008 3001             | 09 14 020 3001             | 09 14 006 3041             |
|            | Female module (F)  | 09 14 006 3101             | 09 14 008 3101             | 09 14 020 3101             | 09 14 006 3141             |
| ≤ 10 A     |                    | Han DD® module             | Han® DDD module            | Han DD® Quad module        | Han® High Density module   |
|            |                    |                            |                            |                            |                            |
|            | Number of contacts | 12                         | 17                         | 42*                        | 25                         |
|            | Electrical data    | 10 A / 250 V               | 10 A / 150 V               | 10 A / 150 V               | 4 A / 50 V                 |
|            | Cross-section      | 0.14 ... 2.5 mm²           | 0.14 ... 2.5 mm²           | 0.14 ... 2.5 mm²           | 0.08 ... 0.52 mm²          |
|            | Termination type   | Crimp termination, Han D®  | Crimp termination, Han D®  | Crimp termination, Han D®  | Crimp termination, D-Sub   |
|            | Male module (M)    | 09 14 012 3002             | 09 14 017 3001             | 09 14 042 3001             | 09 14 025 3001             |
|            | Female module (F)  | 09 14 012 3102             | 09 14 017 3101             | 09 14 042 3101             | 09 14 025 3101             |

\* Double module, requires two places in the frame

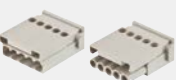


# Data Transfer Modules



|                      |                                                      |                                                                                                              |                                      |                                     |                                        |
|----------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------|----------------------------------------|
| Han® RJ45 module     | Han® RJ45 module                                     | for patch cable                                                                                              | for IDC                              | for patch cable                     | for IDC and preLink                    |
|                      | - 8 contacts<br>- cat. 6 <sub>A</sub><br>- 10 Gbit/s |                                                                                                              |                                      |                                     |                                        |
|                      | Part numbers                                         | Male module (M)<br>09 14 001 4623                                                                            | Male module (M)<br>09 14 001 4623    | Female module (F)<br>09 14 001 4721 | Female module (F)<br>09 14 001 4722    |
|                      |                                                      | Adapter for patch cable:<br>09 14 000 9966                                                                   | RJ Industrial IDC:<br>09 45 400 1560 |                                     | RJ45 female IDC:<br>09 14 545 1561     |
|                      |                                                      | Patch cable cat. 6:<br>09 47 474 71xx                                                                        |                                      |                                     | RJ45 female preLink:<br>09 14 008 4720 |
| Han-Quintax® Modules |                                                      | Han-Quintax®                                                                                                 | Han® High Density Quintax            | Han D® Coax                         | Han E® Coax                            |
|                      | Quintax modul                                        |                                                                                                              |                                      |                                     |                                        |
|                      | Number of contacts                                   | 2 x 4*                                                                                                       | 2 x 8*                               | 2 x Coax*                           | 2 x Coax*                              |
|                      | Male module (M)                                      | 09 14 002 3001                                                                                               | 09 14 002 3001                       | 09 14 002 3001                      | 09 14 002 3001                         |
|                      | Female module (F)                                    | 09 14 002 3101                                                                                               | 09 14 002 3101                       | 09 14 002 3101                      | 09 14 002 3101                         |
|                      | Insert<br>(Cable Ø ≤ 9.5 mm)                         |                                                                                                              |                                      |                                     |                                        |
|                      | Data rate                                            | 100 Mbit/s (cat. 5e)                                                                                         | 100 Mbit/s (cat. 5e)                 | ≤ 500 Mhz / 75 Ω                    | ≤ 500 Mhz / 50 Ω                       |
|                      | Electrical data                                      | 10 A / 50 V                                                                                                  | 5 A / 50 V                           | 10 A / 50 V                         | 16 A / 50 V                            |
|                      | Cross-section                                        | 0.14 ... 2.5 mm²                                                                                             | 0.09 ... 0.52 mm²                    | 0.14 ... 2.5 mm²                    | 0.14 ... 4 mm²                         |
|                      | Termination type                                     | Crimp termination, Han D®                                                                                    | Crimp termination, D-Sub             | Crimp termination, Han D®           | Crimp termination, Han E®              |
|                      | Male insert (M)                                      | 09 15 004 3013                                                                                               | 09 15 008 3013                       | 09 15 001 3013                      | 09 15 001 3023                         |
|                      | Female insert (F)                                    | 09 15 004 3113                                                                                               | 09 15 008 3113                       | 09 15 001 3113                      | 09 15 001 3123                         |
|                      | PE shielding termination                             | Optional shielding termination to the hinged frame with the aid of Han-Quintax® metal adapter 09 14 000 9915 |                                      |                                     |                                        |
| Han® GigaBit         |                                                      | Han® GigaBit module                                                                                          |                                      |                                     | Han® Shielded Module                   |
|                      | Adapter Module                                       |                                                                                                              |                                      |                                     |                                        |
|                      | Male module (M)                                      | 09 14 001 3011                                                                                               |                                      |                                     | 09 14 001 3011                         |
|                      | Female module (F)                                    | 09 14 001 3111                                                                                               |                                      |                                     | 09 14 001 3111                         |
|                      | Insert<br>(Cable Ø ≤ 14 mm)                          |                                                                                                              |                                      |                                     |                                        |
|                      | Number of contacts                                   | 8                                                                                                            |                                      |                                     | 20                                     |
|                      | Data rate                                            | 10 Gbit/s (cat. 6 <sub>A</sub> )                                                                             |                                      |                                     |                                        |
|                      | Electrical data                                      | 5 A / 50 V                                                                                                   |                                      |                                     | 4 A / 32 V                             |
|                      | Cross-section                                        | 0.09 ... 0.52 mm²                                                                                            |                                      |                                     | 0.09 ... 0.52 mm²                      |
|                      | Termination type                                     | Crimp termination, D-Sub                                                                                     |                                      |                                     | Crimp termination, D-Sub               |
|                      | Shielding termination                                | Crimp flange                                                                                                 |                                      |                                     | Crimp flange                           |
|                      | Male insert (M)                                      | 09 14 008 3011                                                                                               |                                      |                                     | 09 14 020 3013                         |
|                      | Female insert (F)                                    | 09 14 008 3111                                                                                               |                                      |                                     | 09 14 020 3113                         |
|                      |                                                      | with PE shielding termination                                                                                |                                      |                                     |                                        |
|                      | Male insert (M)                                      | 09 14 008 3012                                                                                               |                                      |                                     |                                        |
|                      | Female insert (F)                                    | 09 14 008 3112                                                                                               |                                      |                                     |                                        |
| Serial Bus Modules   |                                                      | Han D-Sub module                                                                                             | Han® USB module                      | Han® FireWire module                |                                        |
|                      |                                                      |                                                                                                              |                                      |                                     |                                        |
|                      | Number of contacts                                   | 9 + shielding                                                                                                | 8                                    | 6                                   |                                        |
|                      | Data rate                                            | 12 Mbit/s (Profibus)                                                                                         | 5 Gbit/s (USB 3.0)                   | 400 Mbit/s (IEEE 1394a)             |                                        |
|                      | Electrical data                                      | 5 A / 50 V                                                                                                   | 1 A / 50 V                           | 1 A / 50 V                          |                                        |
|                      | Cross-section                                        | 0.09 ... 0.52 mm²                                                                                            |                                      |                                     |                                        |
|                      | Termination type                                     | Crimp termination, D-Sub                                                                                     | USB patch cable                      | FireWire patch cable                |                                        |
|                      | Male module (M)                                      | 09 14 009 3001                                                                                               | 09 14 001 4601                       | 09 14 001 4611                      |                                        |
|                      | Female module (F)                                    | 09 14 009 3101                                                                                               | 09 14 001 4703                       | 09 14 001 4711                      |                                        |

\* Double module, requires two places in the frame

|                         |                    |                                                                                     |                                                                                     |                                                                                     |                                                                                      |
|-------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 100 - 200 A             |                    | Han® 200 A Axial Module                                                             |                                                                                     |                                                                                     |                                                                                      |
|                         |                    |    |                                                                                     |                                                                                     |                                                                                      |
|                         | Number of contacts | 1*                                                                                  |                                                                                     |                                                                                     |                                                                                      |
|                         | Electrical data    | 200 A / 1000 V                                                                      |                                                                                     |                                                                                     |                                                                                      |
|                         | Termination type   | Axial screw termination                                                             |                                                                                     |                                                                                     |                                                                                      |
|                         | Cross-section      | 40 ... 70 mm²                                                                       |                                                                                     |                                                                                     |                                                                                      |
|                         | Male module (M)    | 09 14 001 2662                                                                      |                                                                                     |                                                                                     |                                                                                      |
|                         | Female module (F)  | 09 14 001 2762                                                                      |                                                                                     |                                                                                     |                                                                                      |
| 40 - 70 A               |                    |                                                                                     |                                                                                     | Han® 40 A Axial module                                                              | Han® C Axial module                                                                  |
|                         |                    |                                                                                     |                                                                                     |    |    |
|                         | Number of contacts |                                                                                     |                                                                                     | 2                                                                                   | 3                                                                                    |
|                         | Electrical data    |                                                                                     |                                                                                     | 40 A / 1000 V                                                                       | 40 A / 690 V                                                                         |
|                         | Termination type   |                                                                                     |                                                                                     | Axial screw termination                                                             | Axial screw termination                                                              |
|                         | Cross-section      |                                                                                     |                                                                                     | 6 ... 10 mm²                                                                        | 6 ... 10 mm²                                                                         |
|                         | Male module (M)    |                                                                                     |                                                                                     | 09 14 002 2602                                                                      | 09 14 003 2602                                                                       |
|                         | Female module (F)  |                                                                                     |                                                                                     | 09 14 002 2702                                                                      | 09 14 003 2702                                                                       |
| 16 A                    |                    | Han E® Quick Lock module                                                            | Han® EE Quick Lock module                                                           | Han® ES module                                                                      | Han E® screw module                                                                  |
|                         |                    |    |    |    |    |
|                         | Number of contacts | 6                                                                                   | 8                                                                                   | 5                                                                                   | 5                                                                                    |
|                         | Electrical data    | 16 A / 500 V                                                                        | 16 A / 400 V                                                                        | 16 A / 400 V                                                                        | 16 A / 230/400 V                                                                     |
|                         | Termination type   | Quick Lock termination                                                              | Quick Lock termination                                                              | Cage clamp termination                                                              | Screw termination                                                                    |
|                         | Cross-section      | 0.5 ... 2.5 mm²                                                                     | 0.5 ... 2.5 mm²                                                                     | 0.14 ... 2.5 mm²                                                                    | 0.5 ... 2.5 mm²                                                                      |
|                         | Male module (M)    | 09 14 006 2633                                                                      | 09 14 008 2633                                                                      | 09 14 005 2616                                                                      | 09 14 005 2601                                                                       |
|                         | Female module (F)  | 09 14 006 2733                                                                      | 09 14 008 2733                                                                      | 09 14 005 2716                                                                      | 09 14 005 2701                                                                       |
| ≤ 10 A                  |                    | Han DD® Quick Lock module                                                           | Han DD® Quick Lock module                                                           |                                                                                     |                                                                                      |
|                         |                    |  |  |                                                                                     |                                                                                      |
|                         | Number of contacts | 12, silver plated                                                                   | 12, gold plated                                                                     |                                                                                     |                                                                                      |
|                         | Electrical data    | 10 A / 250 V                                                                        | 10 A / 250 V                                                                        |                                                                                     |                                                                                      |
|                         | Termination type   | Quick Lock termination                                                              | Quick Lock termination                                                              |                                                                                     |                                                                                      |
|                         | Cross-section      | 0.25 ... 1.5 mm²                                                                    | 0.25 ... 1.5 mm²                                                                    |                                                                                     |                                                                                      |
| Axial screw termination | Hexagonal drivers  | with grip                                                                           | Bit 1/4"                                                                            | Adapter 3/8"                                                                        | Hexagonal torque set                                                                 |
|                         |                    |  |  |  |  |
|                         | 2 mm (40 A)        | 09 99 000 0313                                                                      | 09 99 000 0369                                                                      |                                                                                     | 09 99 000 0834                                                                       |
|                         | 2.5 mm (70 A)      |                                                                                     | 09 99 000 0375                                                                      |                                                                                     | 09 99 000 0834                                                                       |
|                         | 4 mm (100 A)       | 09 99 000 0363                                                                      |                                                                                     | 09 99 000 0370                                                                      | 09 99 000 0833                                                                       |
|                         | 5 mm (200 A)       | 09 99 000 0364                                                                      |                                                                                     | 09 99 000 0371                                                                      | 09 99 000 0833                                                                       |

\* Double module, requires two places in the frame

# Modules for different Media



| Coaxial Modules                |                                    | Han® Multi Module (for D-Sub coaxial contacts)                                      |                                  | Han® Multi Module (for DIN 41626 coaxial contacts)                                 |                                                                                      |
|--------------------------------|------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                |                                    |    |                                  |   |                                                                                      |
|                                | Number of contacts                 | 4                                                                                   | 4                                | 12*                                                                                | 12*                                                                                  |
|                                | Male module (M)                    | 09 14 004 4501                                                                      | 09 14 004 4501                   | 09 14 012 4501                                                                     | 09 14 012 4501                                                                       |
|                                | Female module (F)                  | 09 14 004 4513                                                                      | 09 14 004 4513                   | 09 14 012 4512                                                                     | 09 14 012 4512                                                                       |
|                                | Coaxial contacts (≤ 2 GHz)         |    |                                  |  |                                                                                      |
|                                | Impedance                          | 75 Ω                                                                                | 50 Ω                             | 75 Ω                                                                               | 50 Ω                                                                                 |
|                                | Coaxial cable                      | RG179, RG187                                                                        | RG174, RG188, RG316              | RG179, RG187                                                                       | RG174, RG188, RG316                                                                  |
|                                | Termination type                   | Crimp /crimp termination                                                            | Crimp /crimp termination         | Solder /crimp termination                                                          | Solder /crimp termination                                                            |
|                                | Male contact                       | 09 69 282 5230                                                                      | 09 69 282 5140                   | 09 14 000 6221                                                                     | 09 14 000 6211                                                                       |
|                                | Female contact                     | 09 69 182 5230                                                                      | 09 69 182 5140                   | 09 14 000 6121                                                                     | 09 14 000 6111                                                                       |
| Optical Modules                |                                    | Han® LC module                                                                      | Han® SC module                   | Han® Multi module                                                                  | Han® Multi module                                                                    |
|                                |                                    |    |                                  |  |                                                                                      |
|                                | Number of contacts                 | 6                                                                                   | 4                                | 4                                                                                  | 12*                                                                                  |
|                                | Male module (M)                    | 09 14 006 4701                                                                      | 09 14 004 4701                   | 09 14 004 4501                                                                     | 09 14 012 4501                                                                       |
|                                | Female module (F)                  | 09 14 006 4711                                                                      | 09 14 004 4711                   | 09 14 004 4512                                                                     | 09 14 012 4512                                                                       |
|                                | Contacts                           |    |                                  |  |                                                                                      |
|                                | 1 mm POF                           |                                                                                     | 20 10 001 5211                   | Male: 20 10 001 4211<br>Female: 20 10 001 4221                                     | Male: 20 10 001 4211<br>Female: 20 10 001 4221                                       |
|                                | 1 mm POF Fast assembly termination |                                                                                     | 20 10 001 5217                   |                                                                                    |                                                                                      |
| Further Modules                |                                    | Han-Eco® Monoblock                                                                  | Han-Eco® PE module               | Han® Dummy module                                                                  | Han® Pneumatic module metal                                                          |
|                                | Field of application               | for Han-Eco® hoods/housings only                                                    | for Han-Eco® hoods/housings only | to fill-up empty module places                                                     |                                                                                      |
|                                |                                    |    |                                  |  |                                                                                      |
|                                | Number of contacts                 | 10, 14, 20, 28 + PE                                                                 | 1 x PE                           |                                                                                    | 3                                                                                    |
|                                | Electrical data                    | 16 A / 500 V                                                                        |                                  |                                                                                    |                                                                                      |
|                                | Cross-section                      | 0.5 ... 2.5 mm²                                                                     |                                  |                                                                                    | 3, 4, 6 mm                                                                           |
|                                | Termination type                   | Screw termination                                                                   | Screw termination                |                                                                                    |                                                                                      |
|                                | Male module (M)                    | 19 41 0xx 2601                                                                      | 19 41 001 2600                   | 09 14 000 9950                                                                     | 09 14 003 3501                                                                       |
|                                | Female module (F)                  | 19 41 0xx 2701                                                                      | 19 41 001 2700                   |                                                                                    | 09 14 003 3501                                                                       |
| Contacts for pneumatic modules |                                    | Pneumatic contacts (max. 10 bar)                                                    |                                  |                                                                                    | Adapter                                                                              |
|                                |                                    |  |                                  |                                                                                    |  |
|                                | For tube outer diameter            | 6 mm OD                                                                             | 4 mm OD                          | 3 mm OD                                                                            |                                                                                      |
|                                | Tube-Ø                             | 6 mm OD                                                                             | 4 mm OD                          | 3 mm OD                                                                            | for Han® C contacts                                                                  |
|                                | Male contact                       | 09 14 000 6356                                                                      | 09 14 000 6354                   | 09 14 000 6353                                                                     | Male: 09 14 000 6391                                                                 |
|                                | Female without shut-off            | 09 14 000 6456                                                                      | 09 14 000 6454                   | 09 14 000 6453                                                                     | Female: 09 14 000 6491                                                               |
|                                | Female with shut-off               | 09 14 000 6466                                                                      | 09 14 000 6464                   | 09 14 000 6463                                                                     |                                                                                      |
|                                |                                    |  |                                  |                                                                                    |  |
|                                | For tube inner diameter            | 6 mm ID                                                                             | 4 mm ID                          | 3 mm ID                                                                            |                                                                                      |
|                                | Tube-Ø                             | 6 mm ID                                                                             | 4 mm ID                          | 3 mm ID                                                                            |                                                                                      |
|                                | Male contact                       | 09 14 000 6306                                                                      | 09 14 000 6304                   | 09 14 000 6303                                                                     |                                                                                      |
|                                | Female without shut-off            | 09 14 000 6406                                                                      | 09 14 000 6404                   | 09 14 000 6403                                                                     |                                                                                      |
|                                | Female with shut-off               | 09 14 000 6416                                                                      | 09 14 000 6414                   | 09 14 000 6413                                                                     |                                                                                      |

\* Double module, requires two places in the frame



**Pushing Performance**