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#### Description of the Han-Eco® system





Han-Eco® – a new hood and housing series made of high-performance plastic material.

Han-Eco® is the ideal solution for applications that do not require the full range of product features offered by the Han® B series of hoods and housings, and users want to take advantage of the weight and cost advantages.

Like the Han® B standard series, the Han-Eco® series is available in the following sizes: 6 B, 10 B, 16 B and 24 B. The cable entries are available with metric threading, a cable gland is implemented. For housing sizes 6 B and 10 B size of the cable gland is M32, for 16 B and 24 B cable gland

Han-Eco® hoods and housings are made of high-performance plastic that is highly resistant to environmental stress and - in combination with the design - provides very good mechanical stability. When the connector is closed and locked, it provides degree of protection IP 65 as defined in DIN EN 60 529. With seals made of high UV- and ozone-resistant material FPM (Fluororubber) the Han-Eco® hoods and housings are fit for outdoor use. The material also meets demanding flammability requirements of UL 94 Class V 0.

Fast, simple assembly is another outstanding product feature. Click-andmate design totally eliminates the need for tools during assembly of the Han-Eco® hoods and housings.

The Han-Eco® hoods and housings are compatible with the range of modules from the Han-Modular® series. One extra module fits into the Han-Eco® hoods and housing compared to the equivalent product in the Han® B Standard series. This special feature applies to all four sizes.

A optional PE module has been developed specifically for the Han-Eco® hoods and housings to hold the protective ground conductor.

#### Advantages:

- Weight reduction combined with mechanical strength
- Quick and easy assembly without tools also possible to mount the modules from the rear side of the cabinet
- Highly resistant to environmental stress, suitable for use in outdoor applications
- Complete range of modules from Han-Modular® series usable (with exception of modules with imperative guiding pins [male and female])

#### Assembly details



Han-

Eco

## Module overview for applications with Han-Eco®



			I	
Series	Han® A A ial module	Han® A rimp module	Han® A Single module	Han® A rimp module
um er of contacts				
odules	A ial screw terminal	rimp terminal	A ial screw terminal	rimp terminal
ated current ated voltage	А	А	А	А
ire gauge	mm	mm	mm	mm
Series	Han® A A ial module	Han® A Hy rid module	Han® A A ial module	Han® A rimp module
um er of contacts				
odules	A ial screw terminal	A ial screw terminal	A ial screw terminal	rimp terminal
	00		69	
ated current	А	A A	A	А
ated voltage ire gauge	mm	mm mm	mm	mm
Series	Han® A ial module	Han® module	Han® rotected module	Han® D module
um er of contacts				
odules	A ial screw terminal	rimp terminal	rimp terminal	rimp terminal
	14/10 121	14/1 12/11	120 1500	
	000		639	5000
ated current	A	A	A	A
ated current ated voltage ire gauge	A mm	A mm	A mm	A mm
ated voltage ire gauge	A mm			
ated voltage ire gauge		mm	mm	mm
ated voltage ire gauge Series		mm	mm	mm
ated voltage ire gauge  Series  um er of contacts	Han® E uick Lock module	mm  Han E <sup>®</sup> module	mm  Han E® Screw module	mm  Han® EE module
ated voltage ire gauge  Series  um er of contacts	Han® E uick Lock module	mm  Han E <sup>®</sup> module	mm  Han E® Screw module	mm  Han® EE module

## Module overview for applications with Han-Eco®



Series	Han® EE uick Lock module	Han E® rotected module	Han® EEE module	Han® ES module
um er of contacts				
odules	uick Lock termination	rimp terminal	rimp terminal	age-clamp terminal
	Bank Company	Maria Santa	0000	
ated current ated voltage	А	А	А	А
ire gauge	mm	mm	mm	mm
Series	Han® H Single module	Han® H module	Han® H module	Han DD® module
um er of contacts				
odules	rimp terminal	rimp terminal	rimp terminal	rimp terminal
	000			
ated current ated voltage	A	А	А	Α
ire gauge	mm	mm	mm	mm
Series	Han DD® uick Lock module	Han® DDD module	Han® High Density module	Han® D-Su module
um er of contacts				
odules	uick Lock termination	rimp terminal	rimp terminal	rimp terminal
				Sol Sol
ated current ated voltage	A	А	А	А
ire gauge	mm	mm	mm	mm
		11 @ 1		
Series um er of contacts	Han® SB module	Han® ire ire module	Han <sup>®</sup> module	Han® igaBit module
odules	SB	EEE	Ethernet at.	Ethernet at.
oddies	2B	EEE	Ethernet at.	Ethernet at.
		19 19	ani	
	1			

## Module overview for applications with Han-Eco®



Series	Han® MegaBit module*	Han-Quintax® module			
Number of contacts	2 x 4		2	2	
Modules	Ethernet Cat. 5e	Han-Quintax®	High Density	Han D® Coax	│ Han E® Coax
Contacts		contact 4 + shielding	Quintax contact 8 + shielding	contact 75 Ω 1 + shielding	contact 50 Ω 1 + shielding
				75 Ω	50 Ω

Series	Han® SC module	Han-Elisa®	Han® Dummy module
Number of contacts	4		
Modules	3.00	The state of the s	
Contacts	SC contact for GI 50 62.5 / 125 μm	Temperature I/O modules ID module	
	For the use with Han-Eco® please order female module 09 14 004 4713. Only for multimode fiber.		

#### Han-Eco® Monoblocks



#### **Features**

- Suitable for Han-Eco® hoods/housings and the Han-Modular® docking frame
- Higher contact density compared to Han E<sup>®</sup> standard screw inserts (up to 65%)
- · Han-Eco® "click and mate" assembly concept
- 6 coding options

#### Technical characteristics

Contacts 10, 14, 20, 28

Electrical data acc. to IEC 16 A 500 V 6 kV 3

61984

Rated current
Rated voltage
S00 V
Rated impulse voltage
Pollution degree
Rated voltage acc. to UL
Rated voltage acc. to CSA
Insulation resistance
Limiting temperatures

16 A

500 V
6 kV
600 V
600 V
7 comparison comparis

Flammability (insert) acc. to UL 94

Mating cycles ≥500

Material (insert) polycarbonate
Colour (insert) RAL 7032 (light grey)

V 0

#### Specifications and approvals

IEC 60664-1 IEC 61984



500 V 16 A

Identification	Wire cross section (mm²)	Part n male	umber female	Drawing Dimensions in mm	
Han-Eco®, Screw terminal, with wire protection	0.75 – 2.5	19 41 010 2601	19 41 010 2701	male = 34,2 = 34,3 = 34	
				female - 34,2 - 35,8 -	
Coding element, plastic		09 12 000 9901	09 12 000 9902	11.7.7.8.5.1.2.1.2.2.3.5.2.2.2.3.5.2.2.3.5.2.2.3.5.2.2.3.5.2.2.3.5.2.2.3.5.2.2.3.5.2.2.3.5.2.2.2.3.5.2.2.2.3.2.2.2.2	
				Ec	lan- co
					29 7



Identification	Wire cross section (mm²)	Part no male	umber female	Drawing Dimensions in mm
Han-Eco®, Screw terminal, with wire protection	0.75 – 2.5	19 41 014 2601	19 41 014 2701	male - 34,2 34,3
				female 34,2
Coding element, plastic		09 12 000 9901	09 12 000 9902	12,7 28.6 23.5 25.6

Han-



500 V 16 A

Identification	Wire cross section (mm²)	Part n male	umber female	Drawing Dimensions in mm
Han-Eco®, Screw terminal, with wire protection	0.75 – 2.5	19 41 020 2601	19 41 020 2701	male  7.67  Temale  7.67  Temale  7.67  Temale
Coding element, plastic		09 12 000 9901	09 12 000 9902	12.7 28.5 2 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



28+ =

Identification	Wire cross section (mm²)	Part no male	umber female	Drawing Dimensions in mm
Han-Eco®, Screw terminal, with wire protection	0.75 – 2.5	19 41 028 2601		female  female  97.01  1.00  1
Coding element, plastic		09 12 000 9901	09 12 000 9902	12.7 28.6 22.5 22.6 22.6

Han-

### Hoods/housings for industrial applications



#### **Features**

- · Available with integrated cable gland
- Optional PE contact module to hold the protective ground conductor
- Not mating compatible with series Han® B
- · Capable for applications according protection class II

#### Technical characteristics

-40 °C ... 125 °C Limiting temperatures

Flammability (hoods/housings) V 0

acc. to UL 94

Flammability acc. to NFF 16 101 / 16 102

Flammability acc. to EN 45 545- Class R22: HL1, HL2, Class R23: HL1, HL2, HL3, Class R24: HL1, HL2, HL3

Flammability (locking lever) acc.

to UL 94

Degree of protection acc. to IEC IP65

60529

Material (hoods/housings) polyamide, fibre-glass rein-

forced

F2 / I3

Colour (hoods/housings) RAL 9005 (black)

polyamide, fibre-glass rein-Material (locking lever)

Colour (locking lever) RAL 9005 (black)

Material (seal) **NBR** 

#### Specifications and approvals

IEC 61984





double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM32	19 41 006 0522	Difficultion in them
Han-Eco®, Hoods, top entry	1xM32	19 41 006 0422	
Han-Eco®, Hood with integrated cable gland, side entry	1xM32	19 41 106 0522	88
Han-Eco®, Hood with integrated cable gland, top entry	1xM32	19 41 106 0422	Ø13-21 - 1, 2, 2, 1, 2, 5, 7, 1, 1, 2, 1,
Han-Eco®, Protection cover for hoods		19 41 006 5406	
Han-Eco®, Protection cover for hoods, with securing flex		19 41 006 5407	66 66 67 68 68 68 68 68 68 68 68 68 68 68 68 68

Han-



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 006 0301	panel cut out  70  70  70  70  70  70  70  70  70  7
Han-Eco®, Surface mounted housings, side entry	1xM32 2xM32	19 41 006 0232 19 41 006 0272	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM32 2xM32	19 41 106 0232 19 41 106 0272	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Han-Eco®, Cable to cable housings, top entry	1xM32	19 41 006 0722	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry   The state of the stat	1xM32	19 41 106 0722	Ø13-21  SW36  SW36

## Hoods/housings for industrial applications



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Protection cover for housings, with securing flex		19 41 006 5404	31,7
Han-Eco®, Protection cover for housings		19 41 006 5405	



double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM32	19 41 010 0522	
Han-Eco®, Hoods, top entry	1xM32	19 41 010 0422	
Han-Eco®, Hood with integrated cable gland, side entry	1xM32	19 41 110 0522	74
Han-Eco®, Hood with integrated cable gland, top entry	1xM32	19 41 110 0422	Ø13-21-
Han-Eco®, Protection cover for hoods		19 41 010 5406	Har Ecc
Han-Eco®, Protection cover for hoods, with securing flex		19 41 010 5407	58,25 79 79 79 79 79 79 79 79 79 79 79 79 79



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 010 0301	94,4 — 32 — 57 — 58,3 — 14,2 — 32 — 57 — 57 — 60 — 60 — 60 — 60 — 60 — 60 — 60 — 6
Han-Eco®, Surface mounted housings, side entry	1xM32 2xM32	19 41 010 0232 19 41 010 0272	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM32 2xM32	19 41 110 0232 19 41 110 0272	11,2 — 99 — 37,4 — 68 — 53 — 11,2 — 68 — 68 — 68 — 68 — 68 — 68 — 68 — 6
Han-Eco®, Cable to cable housings, top entry	1xM32	19 41 010 0722	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM32	19 41 110 0722	SW36  Ø13-21  Name to 108  Rest 108  Rest 108  Fig. 108

## Hoods/housings for industrial applications



entification	Cable entry	Part number	Drawii Dimensions	s in mm
an-Eco®, rotection cover for housings, ith securing flex		19 41 010 5404	4	74
an-Eco®, rotection cover for housings		19 41 010 5405		



double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM40	19 41 016 0523	
Han-Eco®, Hoods, top entry	1xM40	19 41 016 0423	
Han-Eco®, Hood with integrated cable gland, side entry	1xM40	19 41 116 0523	57
Han-Eco®, Hood with integrated cable gland, top entry	1xM40	19 41 116 0423	Ø16-28 — — — — — — — — — — — — — — — — — — —
Han-Eco®, Protection cover for hoods		19 41 016 5406	
Han-Eco®, Protection cover for hoods, with securing flex		19 41 016 5407	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 016 0301	panel cut out  103  103  103  103  103  103  103  10
Han-Eco®, Surface mounted housings, side entry	1xM40 2xM40	19 41 016 0233 19 41 016 0273	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM40 2xM40	19 41 116 0233 19 41 116 0273	105 119 50,2
Han ⊑aa®	1.0040	10 41 01/ 0722	11,2 11,2 105 119 50,2
Han-Eco®, Cable to cable housings, top entry	1xM40	19 41 016 0723	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM40	19 41 116 0723	\$8.25 SW4.6
Han-Eco®, Protection cover for housings, with securing flex		19 41 016 5404	577 - 295 - 295 - 295

## Hoods/housings for industrial applications

Size 16 B



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Protection cover for housings		19 41 016 5405	



double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM40	19 41 024 0523	
Han-Eco®, Hoods, top entry	1xM40	19 41 024 0423	
Han-Eco®, Hood with integrated cable gland, side entry	1xM40	19 41 124 0523	57 121
Han-Eco®, Hood with integrated cable gland, top entry	1xM40	19 41 124 0423	6 · 67 · xou
Han-Eco®, Protection cover for hoods		19 41 024 5406	
Han-Eco*, Protection cover for hoods, with securing flex		19 41 024 5407	175 180 180 180 180 180 180 180 180 180 180

Han-



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 024 0301	panel cut out 130  130  140  130  140  108
Han-Eco®, Surface mounted housings, side entry	1xM40 2xM40	19 41 024 0233 19 41 024 0273	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM40 2xM40	19 41 124 0233 19 41 124 0273	132 - 68 - 53 - 11,2
			11,2 — 94,4 — 53 — 68 — 50,2 — 68 — 68 — 68 — 68 — 68 — 68 — 68 — 6
Han-Eco <sup>®</sup> , Cable to cable housings, top entry	1xM40	19 41 024 0723	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM40	19 41 124 0723	\$16-28 SW46
Han-Eco®, Protection cover for housings, with securing flex		19 41 024 5404	57 175 5

# Hoods/housings for industrial applications

Size 24 B



dentification	Cable entry	Part number	Drawing Dimensions in mm	
lan-Eco <sup>®</sup> , Protection cover for housings		19 41 024 5405		

### Hoods/housings for outdoor applications



#### **Features**

- · Available with integrated cable gland
- Optional PE contact module to hold the protective ground conductor
- · Not mating compatible with series Han® B

#### Technical characteristics

-40 °C ... 125 °C Limiting temperatures V 0

Flammability (hoods/housings) acc. to UL 94

F2 / I3

Flammability acc. to NFF 16 101 / 16 102

Flammability acc. to EN 45 545-

2:2013

Class R22: HL1, HL2, Class R23: HL1, HL2, HL3, Class R24: HL1, HL2, HL3

Flammability (locking lever) acc.

to UL 94

Degree of protection acc. to IEC IP65 60529

Material (hoods/housings)

polyamide, fibre-glass reinforced

Colour (hoods/housings)

RAL 9005 (black)

Material (locking lever)

polyamide, fibre-glass rein-

RAL 9005 (black) Colour (locking lever) Material (seal)

FPM

Colour (seal)

RAL 7001 (silver-grey)

#### Specifications and approvals

IEC 61984





double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM32	19 41 006 0522	
Han-Eco®, Hoods, top entry	1xM32	19 41 006 0422	
Han-Eco®, Hood with integrated cable gland, side entry	1xM32	19 41 106 0522	9 9 61
Han-Eco®, Hood with integrated cable gland, top entry	1xM32	19 41 106 0422	Ø13-21- 57- 57- 61-
Han-Eco®, Protection cover for hoods	<b>3</b>	19 41 206 5406	F E
Han-Eco®, Protection cover for hoods, with securing flex		19 41 206 5407	58,3 — 61 — 24 — 24 — 24 — 24 — 24 — 24 — 24 — 2



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 206 0301	panel cut out  70  70  70  70  70  70  70  70  70  7
Han-Eco®, Surface mounted housings, side entry	1xM32 2xM32	19 41 206 0232 19 41 206 0272	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM32 2xM32	19 41 306 0232 19 41 306 0272	12,2 — 84 — 37,4 — 68 — 71 — 68 — 68 — 72 22 — 68 — 68 — 68 — 68 — 68 — 68 — 68
Han-Eco®, Cable to cable housings, top entry	1xM32	19 41 206 0722	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM32	19 41 306 0722	913-21 SW36-

## Hoods/housings for outdoor applications



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Protection cover for housings, with securing flex		19 41 006 5404	31,7
Han-Eco®, Protection cover for housings		19 41 006 5405	

## Hoods/housings for outdoor applications



double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	Cable entry 1xM32	19 41 010 0522	Difficisions in film
Han-Eco <sup>®</sup> , Hoods, top entry	1xM32	19 41 010 0422	
Han-Eco®, Hood with integrated cable gland, side entry	1xM32	19 41 110 0522	7,899
Han-Eco®, Hood with integrated cable gland, top entry	1xM32	19 41 110 0422	Ø13-21-
Han-Eco®, Protection cover for hoods		19 41 210 5406	
Han-Eco®, Protection cover for hoods, with securing flex		19 41 210 5407	58,3 - 74 - 74 - 24 - 24 - 24 - 24 - 24 - 24



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 210 0301	93 - 14,2  panel cut out  83  \$3  \$4  \$60  \$60  \$60
Han® B, Surface mounted housings, side entry	1xM32 2xM32	19 41 210 0232 19 41 210 0272	
Han® B, Surface mounted housings with integrated cable gland, side entry	1xM32 2xM32	19 41 310 0232 19 41 310 0272	11.2 - 99 - 37.4 - 68 - 68 - 68 - 68 - 68 - 68 - 68 - 6
Han-Eco®, Cable to cable housings, top entry	1xM32	19 41 210 0722	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM32	19 41 310 0722	SW36

## Hoods/housings for outdoor applications

Size 10 B



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Protection cover for housings, with securing flex		19 41 010 5404	025 C C C C C C C C C C C C C C C C C C C
Han-Eco®, Protection cover for housings		19 41 010 5405	



double locking lever

			Drawing
Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Hoods, side entry	1xM40	19 41 016 0523	
Han-Eco <sup>®</sup> , Hoods, top entry	1xM40	19 41 016 0423	
Han-Eco®, Hood with integrated cable gland, side entry	1xM40	19 41 116 0523	57
Han-Eco®, Hood with integrated cable gland, top entry	1xM40	19 41 116 0423	Ø16-28- 0, 18 - 18 - 19 - 19 - 19 - 19 - 19 - 19 -
Han-Eco®, Protection cover for hoods		19 41 216 5406	
Han-Eco®, Protection cover for hoods, with securing flex		19 41 216 5407	- 24 - 94 - 28 - 31 - 58,3 - 99



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han® B, Bulkhead mounted housings		19 41 216 0301	panel cut out  103  103  103  103  103  103  103  10
Han-Eco®, Surface mounted housings, side entry	1xM40 2xM40	19 41 216 0233 19 41 216 0273	
Han-Eco®, Surface mounted housings with integrated cable gland, side entry	1xM40 2xM40	19 41 316 0233 19 41 316 0273	11, 2 11, 3 11, 4 11, 4 11
Han-Eco®, Cable to cable housings, top entry	1xM40	19 41 216 0723	
Han-Eco®, Cable to cable housings with integrated cable gland, top entry	1xM40	19 41 316 0723	86. 58 486 87. 25 - 58, 25 - 94
Han-Eco®, Protection cover for housings, with securing flex		19 41 016 5404	57

# Hoods/housings for outdoor applications

Size 16 B



Identification	Cable entry	Part number	Drawing Dimensions in mm	
Han-Eco®, Protection cover for housings		19 41 016 5405		
				HE
				4



double locking lever

Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco <sup>®</sup> , Hoods, side entry	1xM40	19 41 024 0523	
Han-Eco <sup>®</sup> , Hoods, top entry	1xM40	19 41 024 0423	
Han-Eco <sup>®</sup> , Hood with integrated cable gland, side entry	1xM40	19 41 124 0523	57 — 121
Han-Eco®, Hood with integrated cable gland, top entry	1xM40	19 41 124 0423	6.6.77. XDIII. STATE OF THE STA
Han-Eco®, Protection cover for hoods		19 41 224 5406	
Han-Eco®, Protection cover for hoods, with securing flex		19 41 224 5407	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7



			Drouing
Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Bulkhead mounted housings		19 41 224 0301	panel cut out  panel cut out  130  130  140  130  108  108
Han <sup>®</sup> B, Surface mounted housings, side entry	1xM40 2xM40	19 41 224 0233 19 41 224 0273	
Han* B, Surface mounted housings with integrated cable gland, side entry	1xM40 2xM40	19 41 324 0233 19 41 324 0273	132 132 146 50,2 132 146 50,2 132 146 50,2 132 132 146 132 146 132 146 132 146 150 150 168 178 188 188 188 188 188 188 18
Han® B, Cable to cable housings, top entry	1xM40	19 41 224 0723	
Han* B, Cable to cable housings with integrated cable gland	1xM40	19 41 324 0723	616-28 SW46 - SW
Han-Eco®, Protection cover for housings, with securing flex		19 41 024 5404	125 - 125 -

## Hoods/housings for outdoor applications

Size 24 B



Identification	Cable entry	Part number	Drawing Dimensions in mm
Han-Eco®, Protection cover for housings	Cable entry	19 41 024 5405	I

### Accessories



Identification	Wire cross section (mm²)	Part n male	umber female	Drawing Dimensions in mm	
Han-Eco®, PE contact module, with screw terminal  with 09 99 000 0830 HARTING Crimping tool also cable up to 25 mm² with ferrule adaptable	1.5 – 16	male 19 41 001 2600		14,6	Han
					29



### Technical characteristics

Technical characteristics

Material (accessories)

plastic

Colour (accessories)

black

Identification	Size	Part number	Drawing Dimensions in mm
Cable gland	M32 M40	19 41 000 5131 19 41 000 5141	
Han-Eco®, Locking lever, for all sizes		19 41 000 5201	58,3
Han-Eco®, Reduction sealing insert	M32 M40	19 41 000 5132 19 41 000 5142	Ø12-20 13

Han-

### Accessories



### Technical characteristics

Technical characteristics

Material (accessories)

NBR

Colour (accessories)

black

(		1 1	
Identification	Size	Part number	Drawing Dimensions in mm
Han-Eco®, Flange gasket, NBR	6 B 10 B 16 B 24 B	19 41 000 9801 19 41 000 9802 19 41 000 9803 19 41 000 9804	
Han-Eco®, Profile gasket, NBR	6 B 10 B 16 B 24 B	19 41 000 9901 19 41 000 9902 19 41 000 9903 19 41 000 9904	



Photo courtesy: Robolights

#### Installation of multiple services through a single lightweight connector assembly

hen the Grand Opera House, York in the United Kingdom wanted to upgrade its 12 motorised hoists, drive system and control, a UK custom panel builder put together a design that would allow individual speed and direction control of each of the flying bars from a central console. They manufactured the control console, connection point and interconnecting cables along with a custom wheeled frame to allow easy movement of the console around the stage. This project made use of HARTING's recently introduced modular Han-Eco® system connectors which allow the integration of multiple services, contact types and ratings into a single connector assembly.