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Han-Eco® Modular 19 41 xxx xxxx



Han-Eco® A 19 46 xxx xxxx



Han-Eco® B 19 43 xxx xxxx



The Han-Eco® B series is a new series of hoods and housings in the Han-Eco® portfolio that comes in sizes 6B – 24B. This series is completely compatible with the Han® B industrial standard. Standard inserts and modules in conjunction with the hinged frames from the Han-Modular® portfolio may be used.

Highlights Han-Eco® B



Backwards compatibility with the Han® B metal hoods and housings



Rear mounting for the inserts enables faster installation



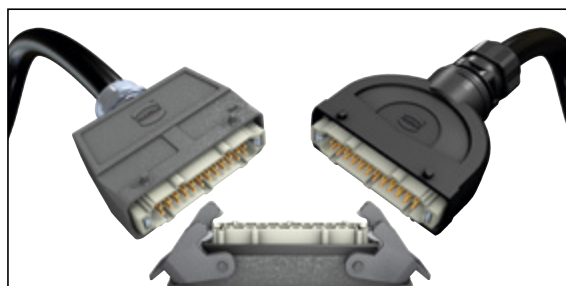
Minimal weight with excellent mechanical robustness



Outdoor variant is available for more extreme environmental conditions



"Click and mate" installation ensures secure assembly



70 - 100 A		Han® 100 A Axial module	Han® 100 A Crimp module	Han® 100 A Single module	Han® 70 A Crimp module
	Number of contacts	2*	2*	1	2
	Electrical data	100 A / 1000 V	100 A / 1000 V	100 A / 830 V	70 A / 1000 V
	Termination type	Axial screw termination	Crimp termination	Crimp termination	Crimp termination
	Cross-section	16 ... 35 mm²	10 ... 35 mm²	10 ... 35 mm²	6 ... 25 mm²
	Male module (M)	09 14 002 2651	09 14 002 3051	09 14 001 3031	09 14 002 3041
	Female module (F)	09 14 002 2751	09 14 002 3151	09 14 001 3131	09 14 002 3141
	Cross-section	10 ... 25 mm²	-	-	-
	Male module (M)	09 14 002 2653	-	-	-
	Female module (F)	09 14 002 2753	-	-	-
40 - 70 A		Han® 70 A Axial module	Han® 70 A Hybrid module	Han® 40 A Axial module	Han® C Axial module
	Number of contacts	2	1 + (4 x Han E®)	2	3
	Electrical data	70 A / 1000 V	70 A / 1000 V	40 A / 1000 V	40 A / 690 V
	Termination type	Axial screw termination	Axial screw termination	Axial screw termination	Axial screw termination
	Cross-section	14 ... 22 mm²	14 ... 22 mm²	6 ... 10 mm²	6 ... 10 mm²
	Male module (M)	09 14 002 2647	09 14 005 2647	09 14 002 2602	09 14 003 2602
	Female module (F)	09 14 002 2742	09 14 005 2742	09 14 002 2702	09 14 003 2702
	Cross-section	6 ... 16 mm²	6 ... 16 mm²	2.5 ... 8 mm²	2.5 ... 8 mm²
	Male module (M)	09 14 002 2646	09 14 005 2646	09 14 002 2601	09 14 003 2601
	Female module (F)	09 14 002 2741	09 14 005 2741	09 14 002 2701	09 14 003 2701
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
≤ 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		
	Male module (M)	09 14 012 2632	09 14 012 2634		
	Female module (F)	09 14 012 2732	09 14 012 2734		

* Double module, requires two places in the frame

Modules and monoblocks for Han-Eco® Modular



Han
Eco

40 A		Han® 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	
	Number of contacts	12	17	25	
	Electrical data	10 A / 250 V	10 A / 150 V	4 A / 50 V	
	Cross-section	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, D-Sub	
	Male module (M)	09 14 012 3002	09 14 017 3001	09 14 025 3001	
	Female module (F)	09 14 012 3102	09 14 017 3101	09 14 025 3101	
High voltage		Han® HV module 40 A	Han® HV module 16 A	Han® HV Single module	
	Number of contacts	2*	2*	2	
	Electrical data	40 A / 2900/5000 V	16 A / 2900/5000 V	16 A / 2500 V	
	Cross-section	1.5 ... 10 mm²	0.14 ... 4 mm²	0.14 ... 4 mm²	
	Termination type	Crimp termination, Han® C	Crimp termination, Han E®	Crimp termination, Han E®	
	Male module (M)	09 14 002 3023	09 14 002 3021	09 14 002 3025	
	Female module (F)	09 14 002 3123	09 14 002 3121	09 14 002 3125	

* Double module, requires two places in the frame

Modules and monoblocks for Han-Eco® Modular



Han
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	Han® RJ45 module	for patch cable	for IDC	for patch cable	for IDC and preLink
Han® RJ45 modules	- 8 contacts - Cat. 6 _A - 10 Gbit/s				
		Male module (M) 09 14 001 4623	Male module (M) 09 14 001 4623	Female module (F) 09 14 001 4721	Female module (F) 09 14 001 4722
	Part numbers	Adapter for patch cables: 09 14 000 9966	RJ Industrial IDC: 09 45 400 1560	-	RJ45 female IDC: 09 14 545 1561
		Patch cable cat. 6: 09 47 474 71xx	-	-	RJ45 female preLink: 09 14 008 4720
		Han-Quintax®	Han® High Density Quintax	Han D® Coax	Han E® Coax
Han-Quintax® modules	Quintax module				
	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 (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
Han® GigaBit – Han® MegaBit modules	Adapter Modul				
	Male module (M)	09 14 001 3011	09 14 001 3011	09 14 001 3011	09 14 001 3011
	Female module (F)	09 14 001 3111	09 14 001 3111	09 14 001 3111	09 14 001 3111
	Insert (Cable Ø ≤ 14 mm)				
	Number of contacts	8	2 x 4	8	20
	Data rate	10 Gbit/s (Cat. 6 _A)	2 x 100 Mbit/s (Cat. 5e)	1 Gbit/s (Cat. 5e)	4 A / 32 V
	Electrical data	5 A / 50 V	10 A / 50 V	10 A / 50 V	0.09 ... 0.52 mm²
	Cross-section	0.09 ... 0.52 mm²	0.14 ... 2.5 mm²	0.14 ... 2.5 mm²	
	Termination type	Crimp termination, D-Sub	Crimp termination, Han D®	Crimp termination, Han D®	Crimp termination, D-Sub
	Shielding termination	Crimp flange	2 x crimp flange	Crimp flange	Crimp flange
Serial Bus modules	Male insert (M)	09 14 008 3011	09 14 008 3016	09 14 008 3021	09 14 020 3013
	Female insert (F)	09 14 008 3111	09 14 008 3116	09 14 008 3121	09 14 020 3113
		with PE shielding termination	with PE shielding termination	with PE shielding termination	-
	Male insert (M)	09 14 008 3012	09 14 008 3017	09 14 008 3022	
	Female insert (F)	09 14 008 3112	09 14 008 3117	09 14 008 3122	
		Han D-Sub module	Han® USB module	Han® FireWire module	
Serial Bus modules					
	Number of contacts	9 + shielding	8	6	
	Datenrate	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	
Serial Bus modules	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

For more technical details see chapter Han 06

Removal tools 09 99 000 0331, 09 99 000 0828 and 09 99 000 0842 see chapter Han 90

* Take care of the wiring space! Choose inner positions.

Han
Eco

Optical modules		Han® SC module	Han® Multi module	Han® Multi module
	Number of contacts	4	4	12*
	Male module (M)	09 14 004 4701	09 14 004 4501	09 14 012 4501
	Female module (F)	09 14 004 4713	09 14 004 4512	09 14 012 4512
	Contacts			
	1 mm POF	20 10 001 5211	Male: 20 10 001 4211 Female: 20 10 001 4221	Male: 20 10 001 4211 Female: 20 10 001 4221
	1 mm POF Fast assembly termination	20 10 001 5217		
	SI-Fibre 200 / 230 µm Multi-Mode	20 10 230 5211	Male: 20 10 230 4211 Female: 20 10 230 4221	Male: 20 10 230 4211 Female: 20 10 230 4221
	GI-Fibre 50-62.5 / 125 µm Multi-Mode	20 10 125 5211	Male: 20 10 125 4212 Female: 20 10 125 4222	Male: 20 10 125 4212 Female: 20 10 125 4222

Special modules		Han-Eco® PE module	Han® Dummy module
	Field of application	for Han-Eco® hoods/housings only	to fill-up empty module places
	Number of contacts	1 x PE	
	Electrical data		
	Cross-section	1.5 ... 16 mm²	
	Termination type	Screw termination	
	Male module (M)	19 41 001 2600	09 14 000 9950
	Female module (F)	19 41 001 2700	

* Double module, requires two places in the frame

Monoblocks		6 B	10 B	16 B	24 B
	Number of contacts	10	14	20	28
	Electrical data	16 A / 500 V	16 A / 500 V	16 A / 500 V	16 A / 500 V
	Cross section	0.75 ... 2.5 mm²	0.75 ... 2.5 mm²	0.75 ... 2.5 mm²	0.75 ... 2.5 mm²
	Termination type	Screw termination	Screw termination	Screw termination	Screw termination
	Male	19 41 010 2601	19 41 014 2601	19 41 020 2601	19 41 028 2601
	Female	19 41 010 2701	19 41 014 2701	19 41 020 2701	19 41 028 2701

Features

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

Technical characteristics

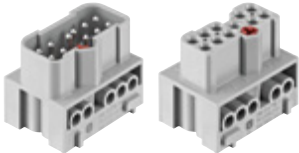
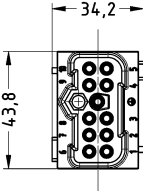
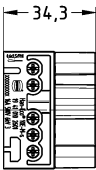
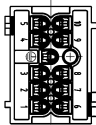
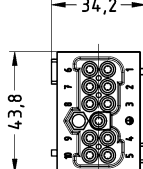
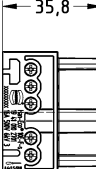
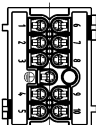
Number of contacts	10, 14, 20, 28
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	600 V
Insulation resistance	$>10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	≥ 500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

Number of contacts

10+ 

16 A 500 V 6 kV 3

Han
Eco

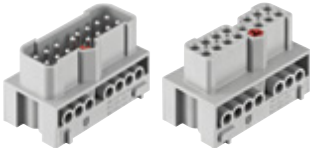
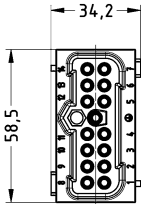
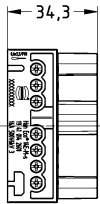
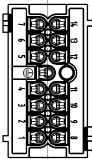
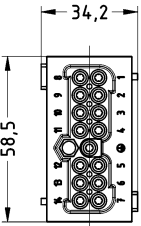
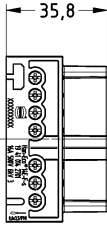
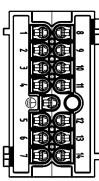
Identification	Conductor cross-section (mm²)	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Eco®, Screw termination, With wire protection, Contact surface: Silver plated 	0.75 ... 2.5	19 41 010 2601	19 41 010 2701	 34,2 43,8  34,3   34,2 43,8  35,8  Tightening torque 0.5 Nm

Number of contacts

14+ 

16 A 500 V 6 kV 3

Han
Eco

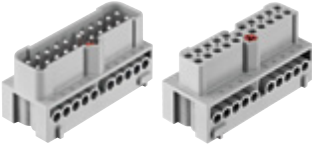
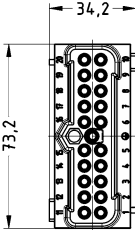
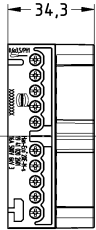
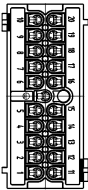
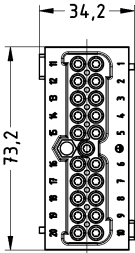
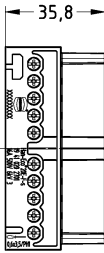
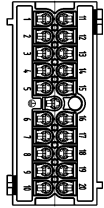
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		Male	Female	
Han-Eco®, Screw termination, With wire protection, Contact surface: Silver plated 	0.75 ... 2.5	19 41 014 2601	19 41 014 2701	      Tightening torque 0.5 Nm

Number of contacts

20+ 

16 A 500 V 6 kV 3

Han
Eco

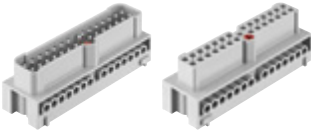
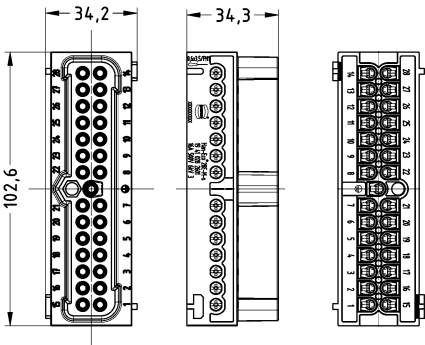
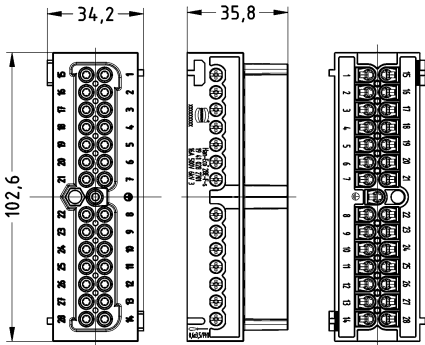
Identification	Conductor cross-section (mm²)	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Eco®, Screw termination, With wire protection, Contact surface: Silver plated 	0.75 ... 2.5	19 41 020 2601	19 41 020 2701	      Tightening torque 0.5 Nm

Number of contacts

28+ 

16 A 500 V 6 kV 3

Han
Eco

Identification	Conductor cross-section (mm²)	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Eco®, Screw termination, With wire protection, Contact surface: Silver plated 	0.75 ... 2.5	19 41 028 2601	19 41 028 2701	  Tightening torque 0.5 Nm

Features

- With integrated cable gland
- Optional PE contact module to hold the protective ground conductor
- Suitable for applications according to protection class II

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	NBR
Colour (seal)	RAL 9005 (jet black)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant

Specifications and approvals

IEC 61984
EN 45545-2 R22: HL1, HL2, HL3
EN 45545-2 R23: HL1, HL2, HL3
EN 45545-2 R24: HL1, HL2, HL3
UL 1977 ECBT2.E235076
CSA-C22.2 No. 182.3 ECBT8.E235076



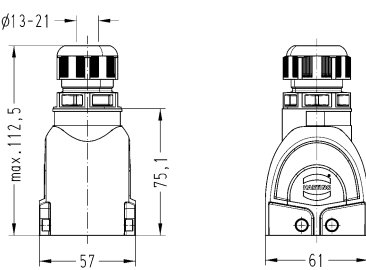
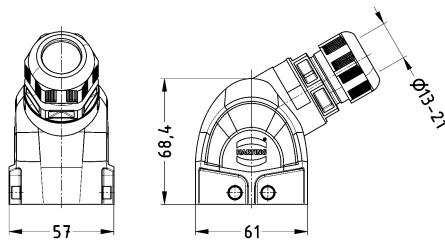
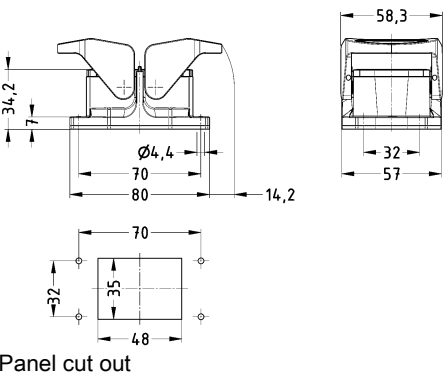
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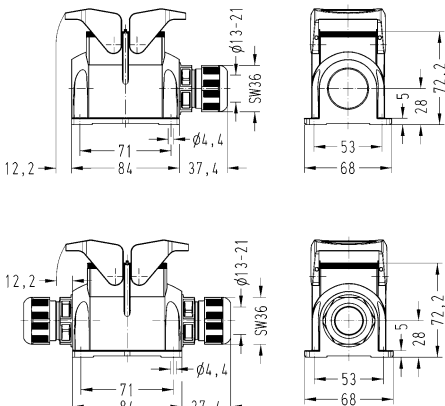
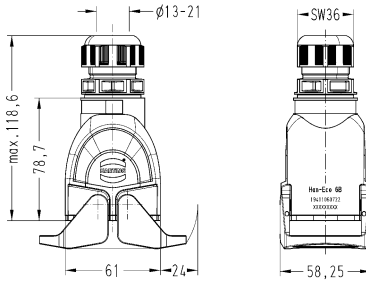
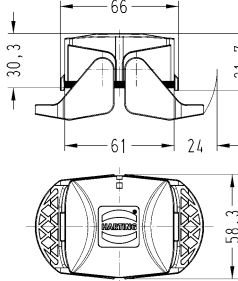
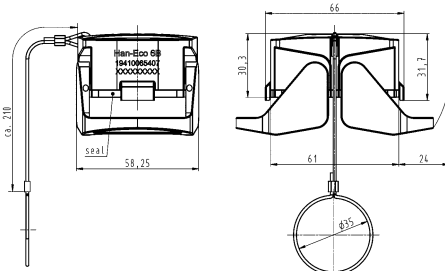
Assembly dimensions are identical for the Han® B bulkhead mounted housings - not mating compatible with the hoods and housings of the series Han® B.

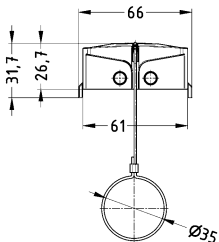
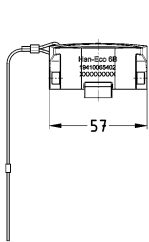
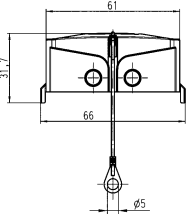
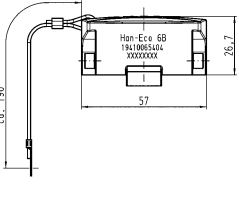
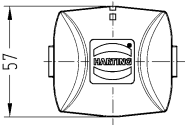
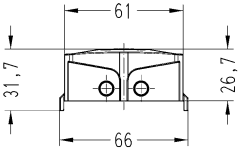
Size	Module slots
6 B	3
10 B	4
16 B	5
24 B	7

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M32 1x M40	13 ... 21 16 ... 28	19 41 106 0422 19 41 106 0423	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M32	13 ... 21	19 41 106 0522	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 006 0301	 Panel cut out

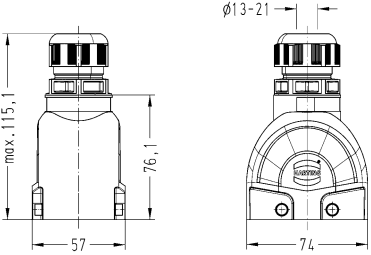
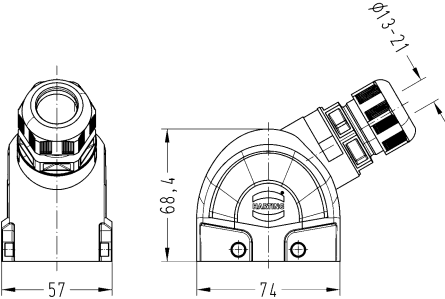
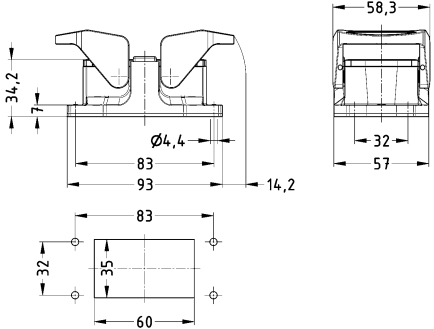
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M32 2x M32	13 ... 21 13 ... 21	19 41 106 0232 19 41 106 0272	
Han-Eco® Modular, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M32 1x M40	13 ... 21 16 ... 28	19 41 106 0722 19 41 106 0723	
Han-Eco® Modular, Protection cover, for hoods, IP65 			19 41 006 5406	
Han-Eco® Modular, Protection cover, for hoods, With fixing cord (loop), IP65 			19 41 006 5407	

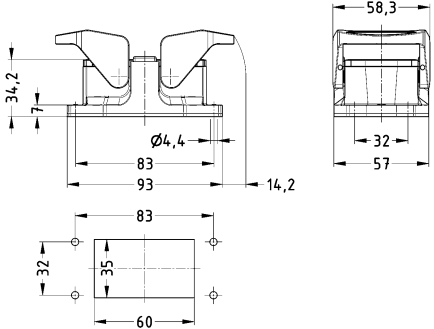
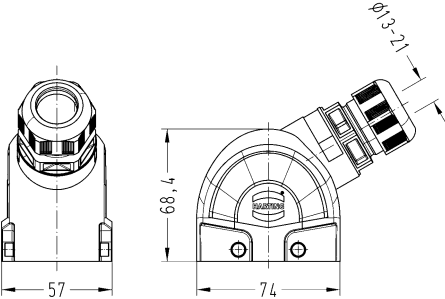
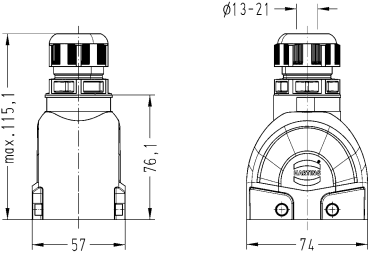
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (loop), IP65  19 41 006 5402 				
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65  19 41 006 5404 				
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65  19 41 006 5405 				

Han
Eco

Double locking lever

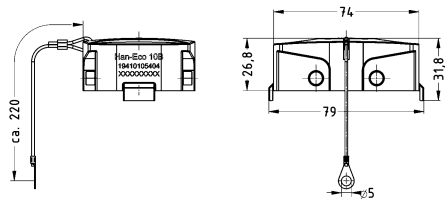
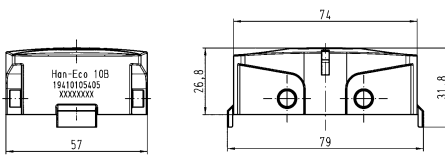
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M32	13 ... 21	19 41 110 0422	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M32	13 ... 21	19 41 110 0522	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 010 0301	 Panel cut out



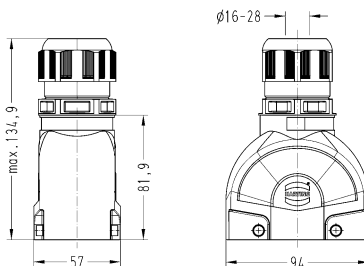
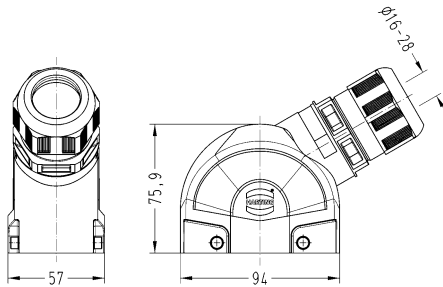
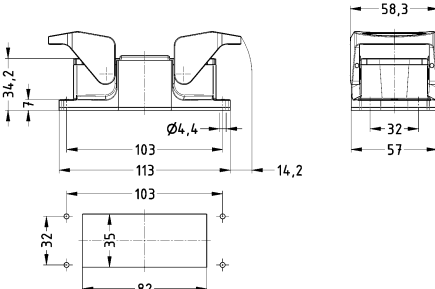
Han
29
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17

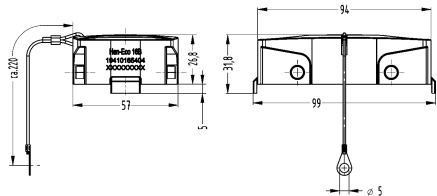
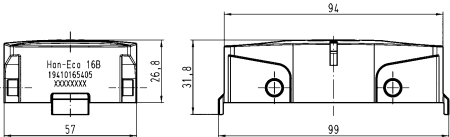
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65 			19 41 010 5404	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 010 5405	

Double locking lever

Han
Eco

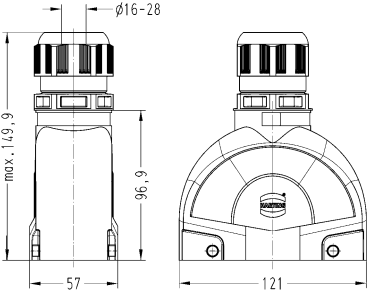
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M40	16 ... 28	19 41 116 0423	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M40	16 ... 28	19 41 116 0523	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 016 0301	 Panel cut out

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65 			19 41 016 5404	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 016 5405	



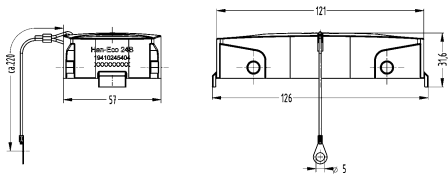
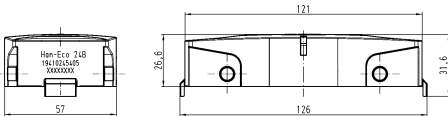
Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M40	16 ... 28	19 41 124 0423	

Han
29
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23

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65 			19 41 024 5404	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 024 5405	

Features

- With integrated cable gland
- Optional PE contact module to hold the protective ground conductor
- Suitable for applications according to protection class II

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	FPM
Colour (seal)	RAL 7001 (silver-grey)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant

Specifications and approvals

IEC 61984
 EN 45545-2 R22: HL1, HL2, HL3
 EN 45545-2 R23: HL1, HL2, HL3
 EN 45545-2 R24: HL1, HL2, HL3
 UL 1977 ECBT2.E235076
 CSA-C22.2 No. 182.3 ECBT8.E235076



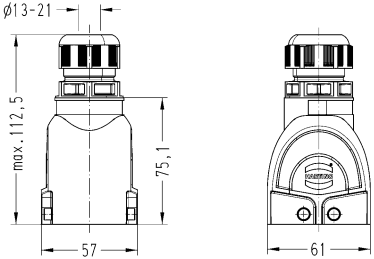
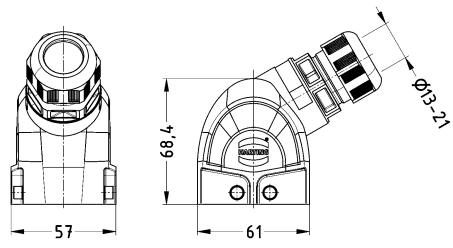
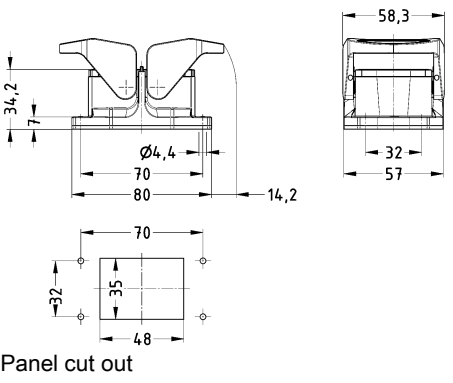
Details

Assembly dimensions are identical for the Han® B bulkhead mounted housings - not mating compatible with the hoods and housings of the series Han® B.

Size	Module slots
6 B	3
10 B	4
16 B	5
24 B	7

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M32 1x M40	13 ... 21 16 ... 28	19 41 106 0422 19 41 106 0423	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M32	13 ... 21	19 41 106 0522	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 206 0301	 Panel cut out

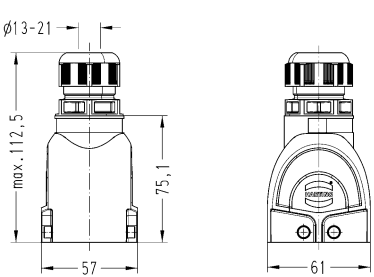
Han-Eco® Modular,
Hood,
With integrated cable gland,
Top entry,
IP65



1x M32
1x M40

13 ... 21
16 ... 28

19 41 106 0422
19 41 106 0423



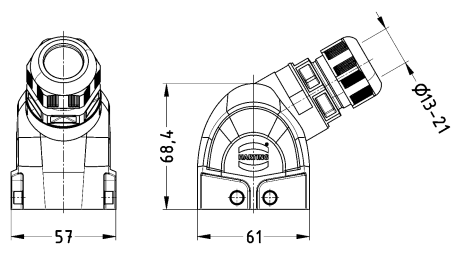
Han-Eco® Modular,
Hood,
With integrated cable gland,
Side entry,
IP65



1x M32

13 ... 21

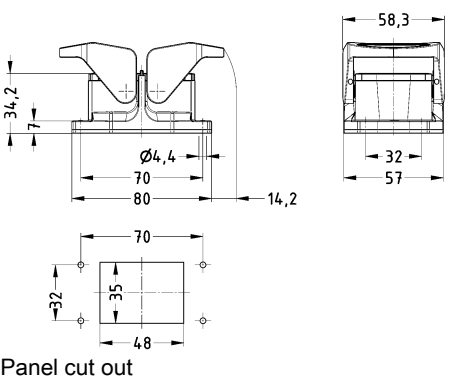
19 41 106 0522

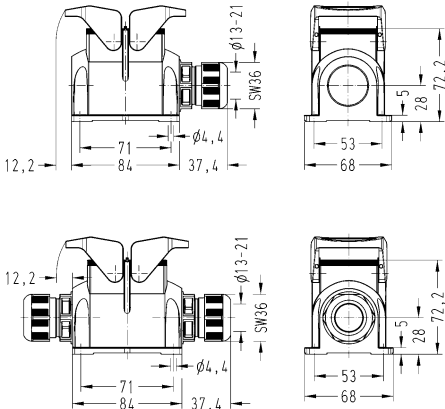
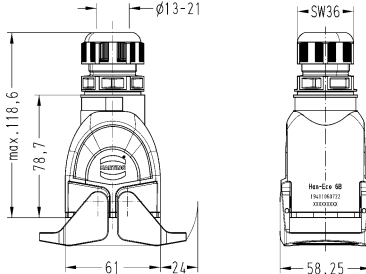
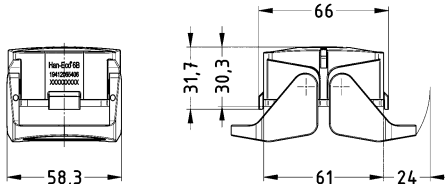
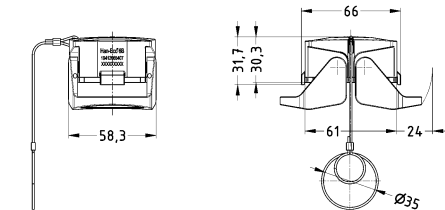
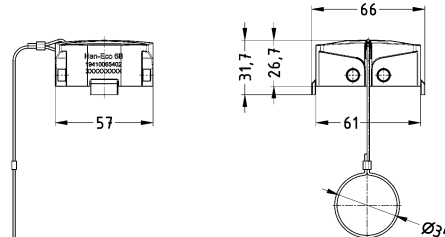


Han-Eco® Modular,
Bulkhead mounted housing,
IP65



19 41 206 0301



Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M32 2x M32	13 ... 21 13 ... 21	19 41 306 0232 19 41 306 0272	
Han-Eco® Modular, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M32	13 ... 21	19 41 306 0722	
Han-Eco® Modular, Protection cover, for hoods, IP65 			19 41 206 5406	
Han-Eco® Modular, Protection cover, for hoods, With fixing cord (loop), IP65 			19 41 206 5407	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (loop), IP65 			19 41 006 5402	

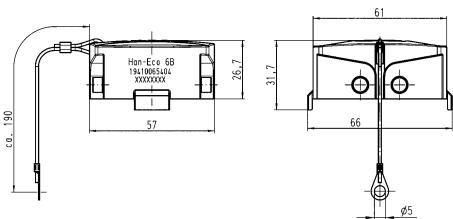
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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Han-Eco® Modular,
Protection cover,
for bulkhead mounted housings,
for surface mounted housings,
for cable to cable housing,
With fixing cord (cable shoe),
IP65



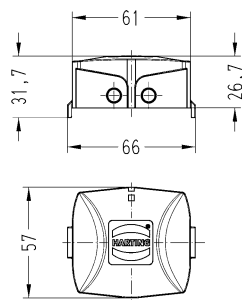
19 41 006 5404



Han-Eco® Modular,
Protection cover,
for bulkhead mounted housings,
for surface mounted housings,
for cable to cable housing,
IP65

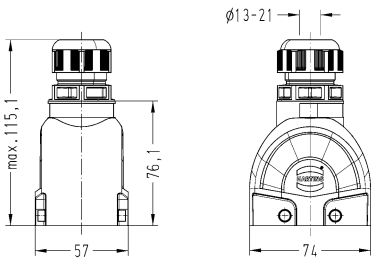
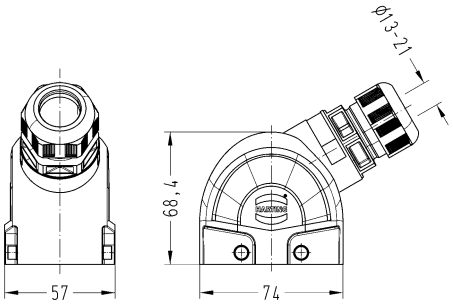
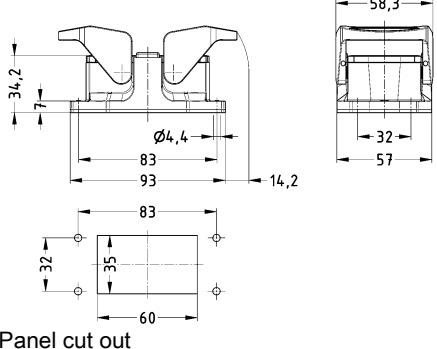


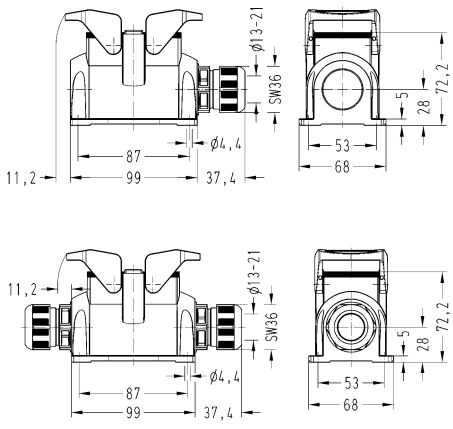
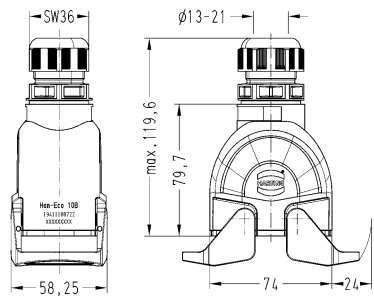
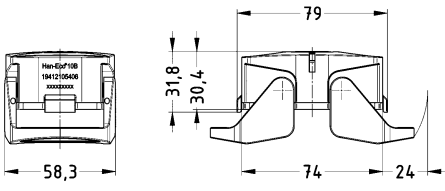
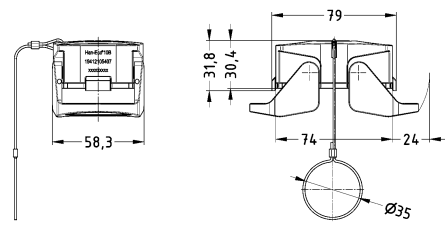
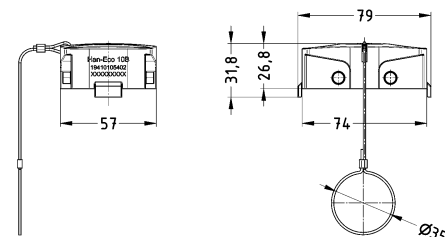
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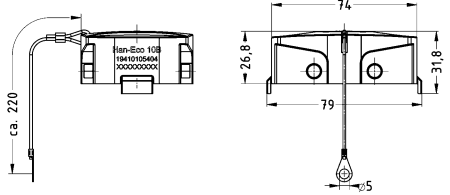
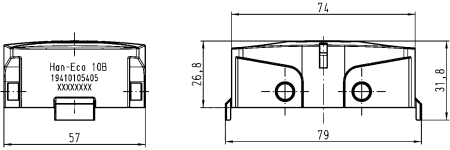


Double locking lever

Han
Eco

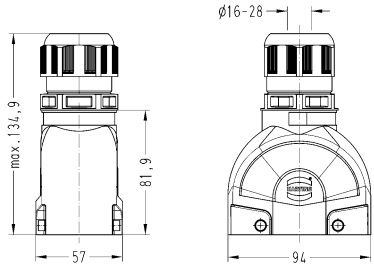
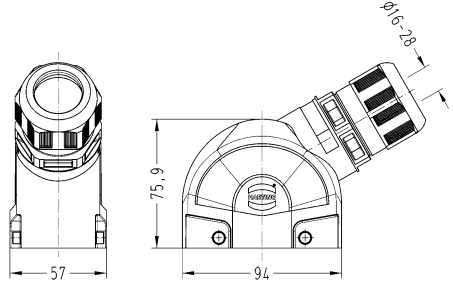
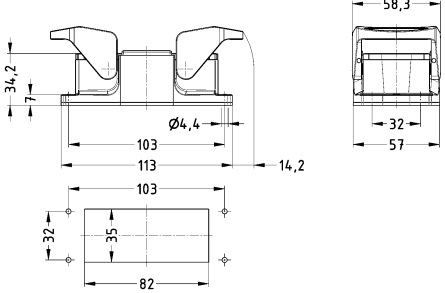
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M32	13 ... 21	19 41 110 0422	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M32	13 ... 21	19 41 110 0522	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 210 0301	

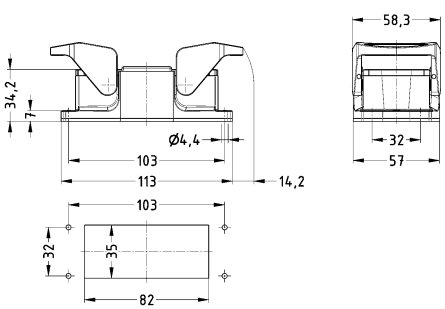
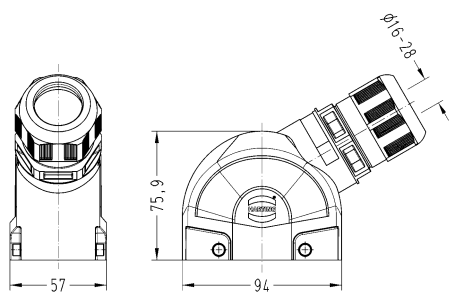
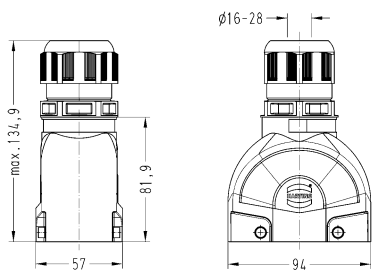
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M32 2x M32	13 ... 21 13 ... 21	19 41 310 0232 19 41 310 0272	
Han-Eco® Modular, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M32	13 ... 21	19 41 310 0722	
Han-Eco® Modular, Protection cover, for hoods, IP65 			19 41 210 5406	
Han-Eco® Modular, Protection cover, for hoods, With fixing cord (loop), IP65 			19 41 210 5407	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (loop), IP65 			19 41 010 5402	

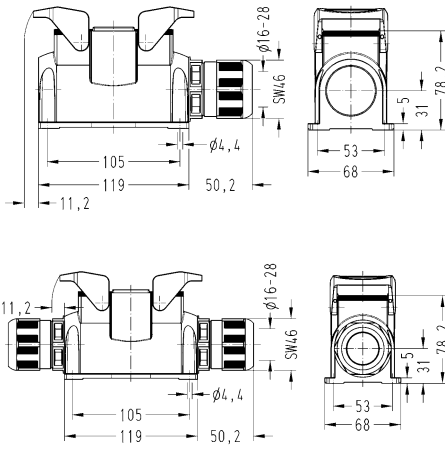
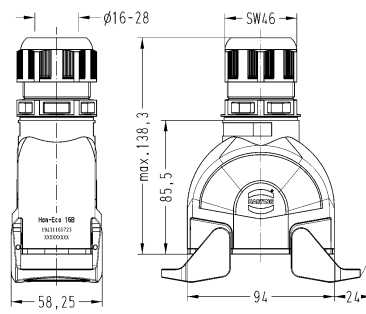
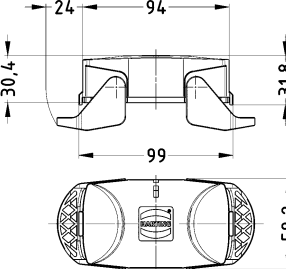
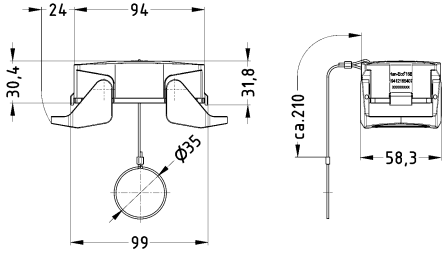
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65  Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 010 5404 19 41 010 5405	 Technical drawing of the Han-Eco 10B 19 41 010 5404. It includes a side view showing a cable shoe with a length of approximately 220 mm, and a top view with dimensions: width 74 mm, height 31.8 mm, and mounting hole spacing 79 mm. A mounting hole diameter of 5 mm is also indicated.  Technical drawing of the Han-Eco 10B 19 41 010 5405. It includes a side view with a width of 57 mm and a top view with dimensions: width 74 mm, height 31.8 mm, and mounting hole spacing 79 mm.

Double locking lever

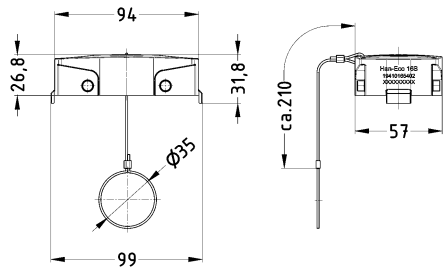
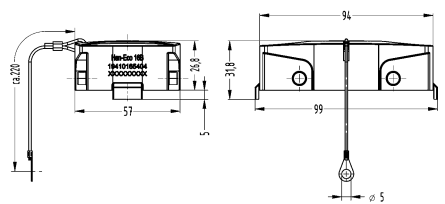
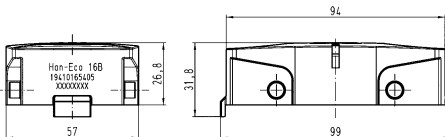
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M40	16 ... 28	19 41 116 0423	
Han-Eco® Modular, Hood, With integrated cable gland, Side entry, IP65 	1x M40	16 ... 28	19 41 116 0523	
Han-Eco® Modular, Bulkhead mounted housing, IP65 			19 41 216 0301	 Panel cut out



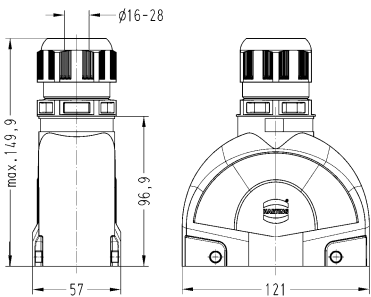
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M40 2x M40	16 ... 28 16 ... 28	19 41 316 0233 19 41 316 0273	
Han-Eco® Modular, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M40	16 ... 28	19 41 316 0723	
Han-Eco® Modular, Protection cover, for hoods, IP65 			19 41 216 5406	
Han-Eco® Modular, Protection cover, for hoods, With fixing cord (loop), IP65 			19 41 216 5407	

Han
Eco

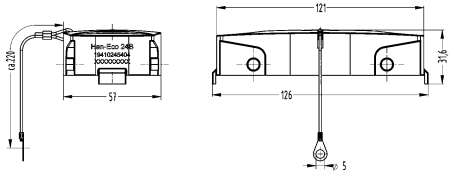
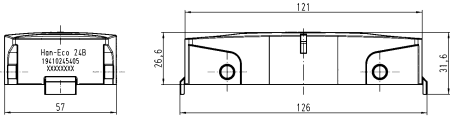
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (loop), IP65 			19 41 016 5402	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65 			19 41 016 5404	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 016 5405	

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Hood, With integrated cable gland, Top entry, IP65 	1x M40	16 ... 28	19 41 124 0423	

Han
29
.
36

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, With fixing cord (cable shoe), IP65 			19 41 024 5404	
Han-Eco® Modular, Protection cover, for bulkhead mounted housings, for surface mounted housings, for cable to cable housing, IP65 			19 41 024 5405	

Features

- With integrated cable gland
- Suitable for applications according to protection class I

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	NBR
Colour (seal)	RAL 9005 (jet black)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant with exemption, compliant

Specifications and approvals

IEC 61984
EN 45545-2 R22: HL1, HL2, HL3
EN 45545-2 R23: HL1, HL2, HL3
EN 45545-2 R24: HL1, HL2, HL3



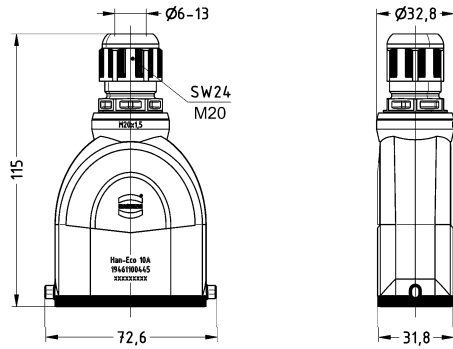
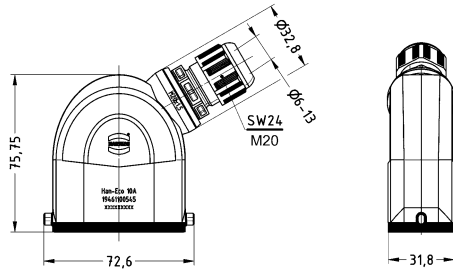
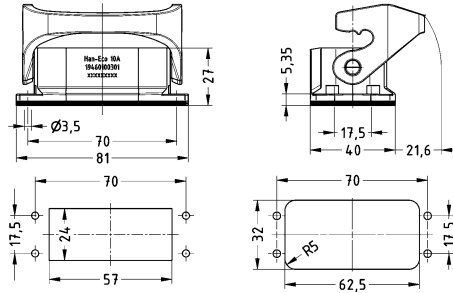
Details

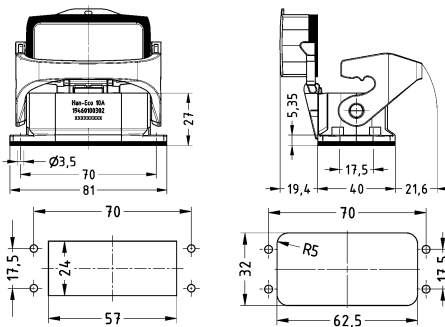
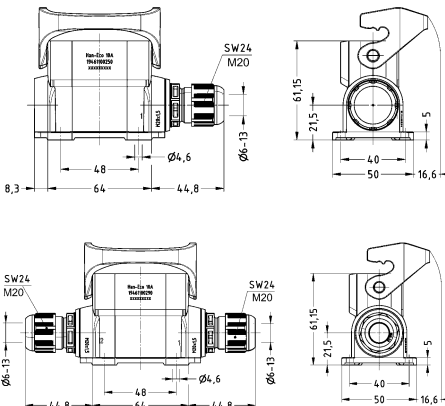
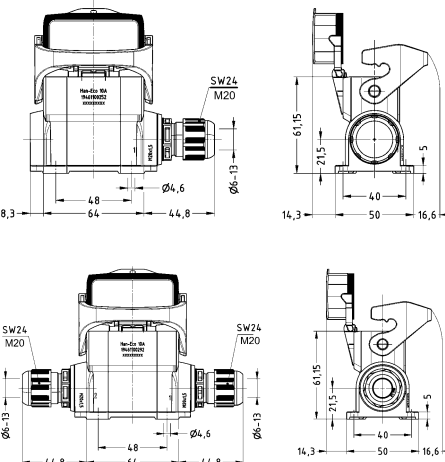
Assembly dimensions are identical for the Han® A bulkhead and surface mounted housings – mating compatible with all metal hoods and housings of the series Han® A.

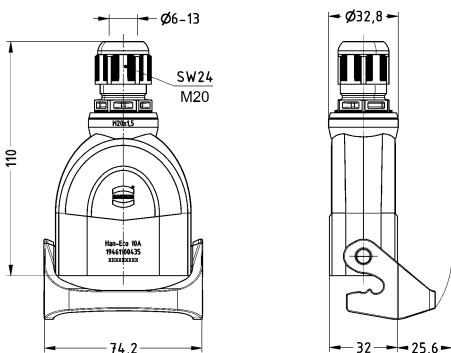
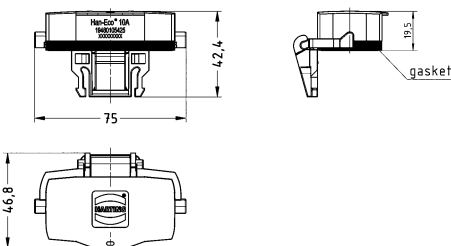
As an option a larger panel cut out for the rear assembly of the bulkhead mounted housings is possible.

Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Hood, With integrated cable gland, Top entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 110 0445 19 46 110 0446	
Han-Eco® A, Hood, With integrated cable gland, Side entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 110 0545 19 46 110 0546	
Han-Eco® A, Bulkhead mounted housing, IP65 			19 46 010 0301	 Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Bulkhead mounted housing, With thermo-plastic cover, IP65 			19 46 010 0302	 Panel cut out Front mounting / Rear mounting
Han-Eco® A, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 110 0250 19 46 110 0251 19 46 110 0290 19 46 110 0291	
Han-Eco® A, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 110 0252 19 46 110 0253 19 46 110 0292 19 46 110 0293	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 110 0435 19 46 110 0436	 Ø6-13 SW24 M20 110 74,2 Ø32,8 32 25,6
Han-Eco® A, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP65 			19 46 010 5425	 42,4 75 46,8 19,5 gasket

Han
Eco

Single locking lever



Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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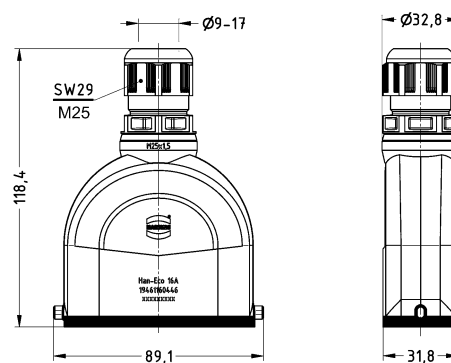
Han-Eco® A,
Hood,
With integrated cable gland,
Top entry,
IP65



1x M20
1x M25

6 ... 13
9 ... 17

19 46 116 0445
19 46 116 0446



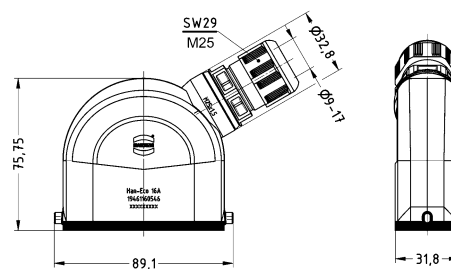
Han-Eco® A,
Hood,
With integrated cable gland,
Side entry,
IP65



1x M20
1x M25

6 ... 13
9 ... 17

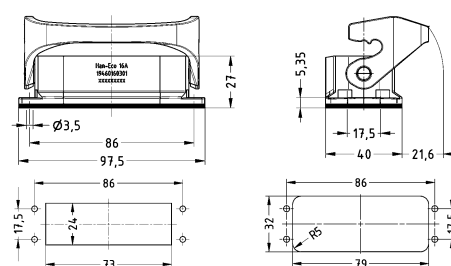
19 46 116 0545
19 46 116 0546



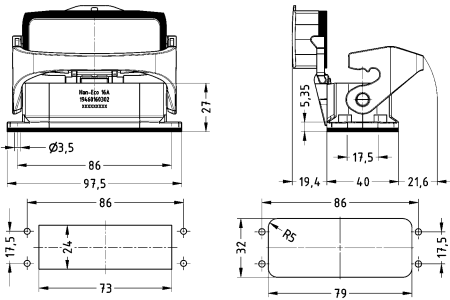
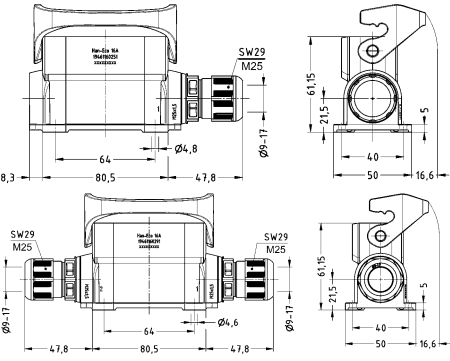
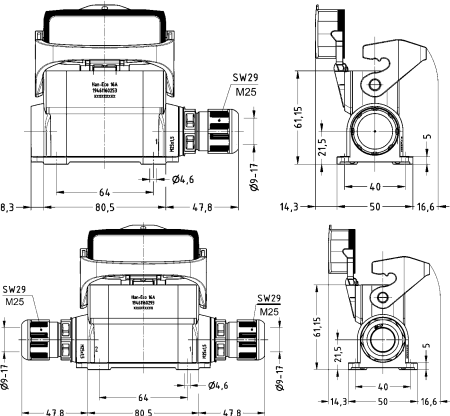
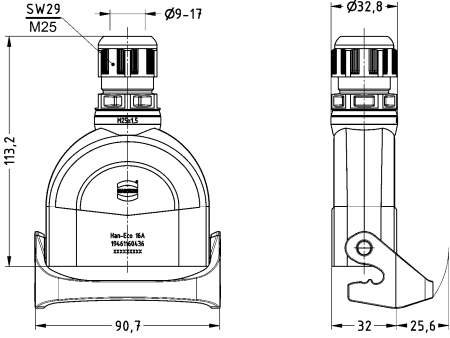
Han-Eco® A,
Bulkhead mounted housing,
IP65



19 46 016 0301

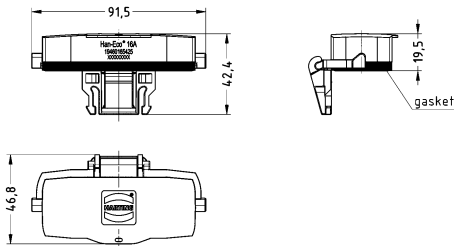


Panel cut out
Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Bulkhead mounted housing, With thermo-plastic cover, IP65 			19 46 016 0302	 Panel cut out Front mounting / Rear mounting
Han-Eco® A, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 116 0250 19 46 116 0251 19 46 116 0290 19 46 116 0291	
Han-Eco® A, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 116 0252 19 46 116 0253 19 46 116 0292 19 46 116 0293	
Han-Eco® A, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 116 0435 19 46 116 0436	



Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP65 			19 46 016 5425	

Features

- With integrated cable gland
- Suitable for applications according to protection class I

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	FPM
Colour (seal)	RAL 7001 (silver-grey)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant with exemption, compliant

Specifications and approvals

IEC 61984
 EN 45545-2 R22: HL1, HL2, HL3
 EN 45545-2 R23: HL1, HL2, HL3
 EN 45545-2 R24: HL1, HL2, HL3

CE

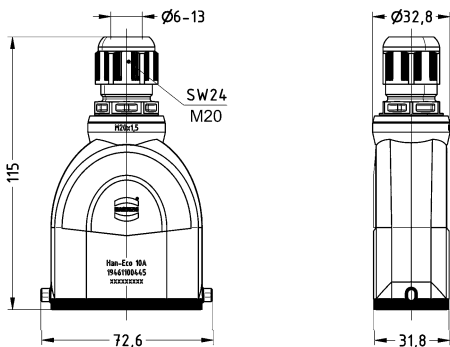
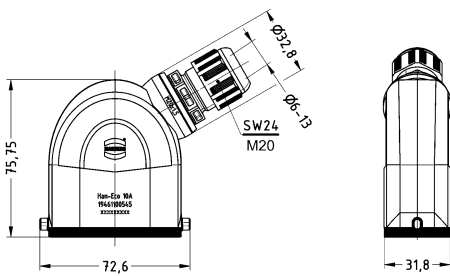
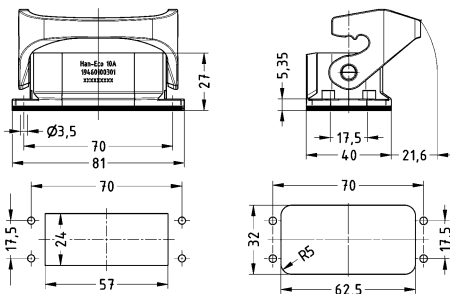
Details

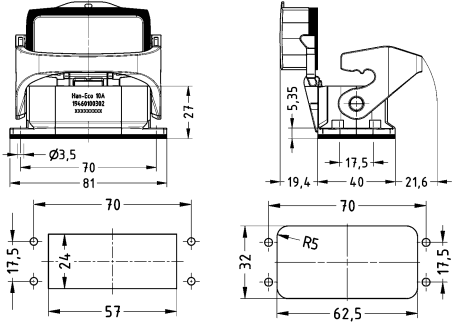
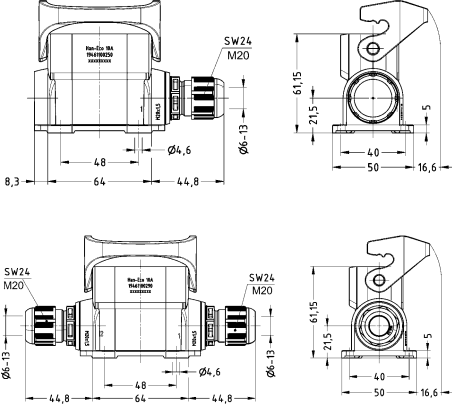
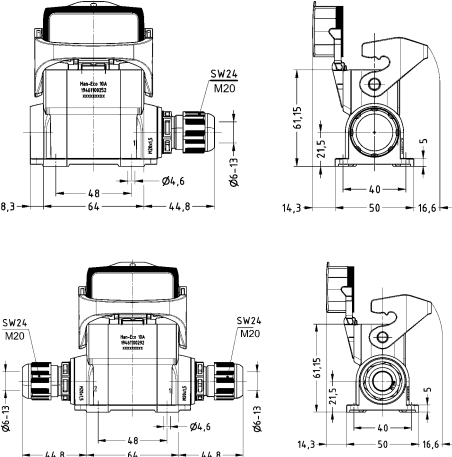
Assembly dimensions are identical for the Han® A bulkhead and surface mounted housings – mating compatible with all metal hoods and housings of the series Han® A.

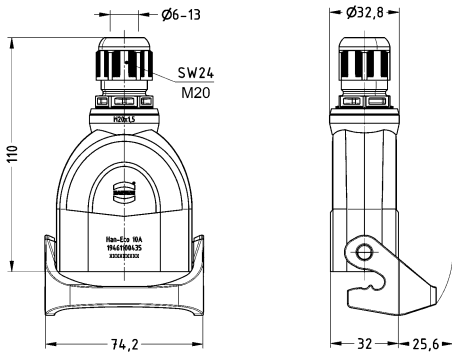
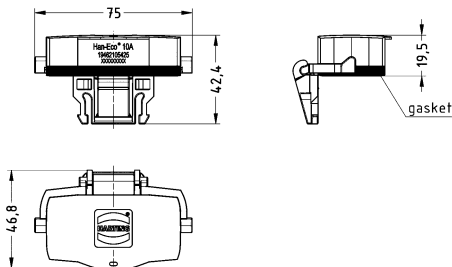
As an option a larger panel cut out for the rear assembly of the bulkhead mounted housings is possible.

Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Hood, With integrated cable gland, Top entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 310 0445 19 46 310 0446	
Han-Eco® A, Hood, With integrated cable gland, Side entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 310 0545 19 46 310 0546	
Han-Eco® A, Bulkhead mounted housing, IP65 			19 46 210 0301	 Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Bulkhead mounted housing, With thermo-plastic cover, IP65 			19 46 210 0302	 Panel cut out Front mounting / Rear mounting
Han-Eco® A, Surface mounted housing, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 110 0250 19 46 110 0251 19 46 110 0290 19 46 110 0291	
Han-Eco® A, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP65 	1x M20 1x M25 2x M20 2x M25	6 ... 13 9 ... 17 6 ... 13 9 ... 17	19 46 310 0252 19 46 310 0253 19 46 310 0292 19 46 310 0293	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Cable to cable housing, With integrated cable gland, Top entry, IP65 	1x M20 1x M25	6 ... 13 9 ... 17	19 46 110 0435 19 46 110 0436	
Han-Eco® A, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP65 			19 46 210 5425	

Single locking lever



Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Hood, With integrated cable gland, Top entry, IP65	1x M20 1x M25	6 ... 13 9 ... 17	19 46 316 0445 19 46 316 0446	
Han-Eco® A, Hood, With integrated cable gland, Side entry, IP65	1x M20 1x M25	6 ... 13 9 ... 17	19 46 316 0545 19 46 316 0546	
Han-Eco® A, Bulkhead mounted housing, IP65			19 46 216 0301	Panel cut out Front mounting / Rear mounting

Han
Eco

Identification

Cable entry

Clamping range
(mm)

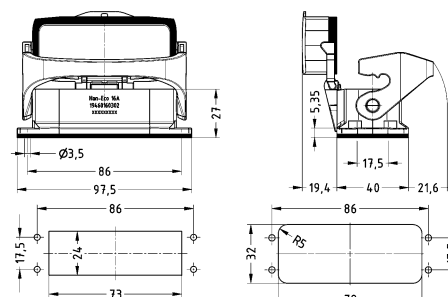
Part number

Drawing
(dimensions in mm)

Han-Eco® A,
Bulkhead mounted housing,
With thermo-plastic cover,
IP65



19 46 216 0302



Panel cut out
Front mounting / Rear mounting

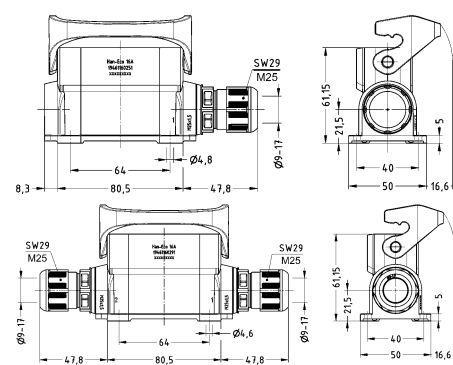
Han-Eco® A,
Surface mounted housing,
With integrated cable gland,
Side entry,
IP65



1x M20
1x M25
2x M20
2x M25

6 ... 13
9 ... 17
6 ... 13
9 ... 17

19 46 116 0250
19 46 116 0251
19 46 116 0290
19 46 116 0291



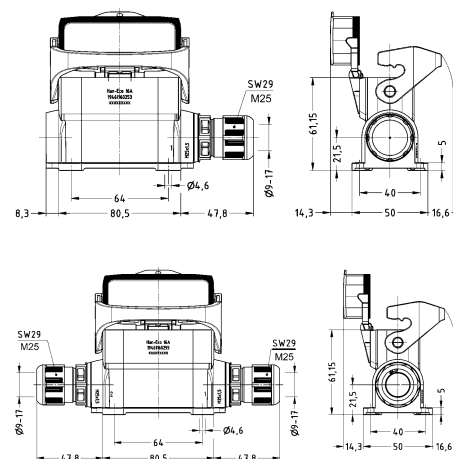
Han-Eco® A,
Surface mounted housing,
With thermo-plastic cover,
With integrated cable gland,
Side entry,
IP65



1x M20
1x M25
2x M20
2x M25

6 ... 13
9 ... 17
6 ... 13
9 ... 17

19 46 316 0252
19 46 316 0253
19 46 316 0292
19 46 316 0293



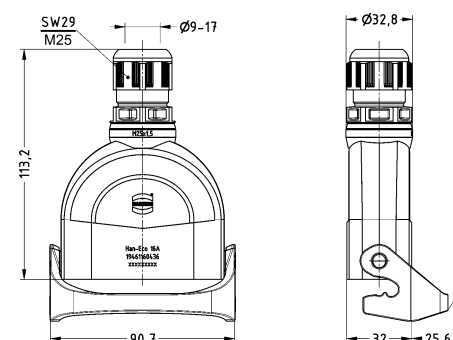
Han-Eco® A,
Cable to cable housing,
With integrated cable gland,
Top entry,
IP65



1x M20
1x M25

6 ... 13
9 ... 17

19 46 116 0435
19 46 116 0436



Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® A, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP65  </				



Features

- Suitable for standard inserts and modules from the Han-Mod-ular® portfolio
- With integrated cable gland
- Suitable for applications according to protection class I
- Minimal weight with excellent mechanical robustness

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP66
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	NBR
Colour (seal)	RAL 9005 (jet black)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant with exemption, compliant

Specifications and approvals

IEC 61984
EN 45545-2 R22: HL1, HL2, HL3
EN 45545-2 R23: HL1, HL2, HL3
EN 45545-2 R24: HL1, HL2, HL3



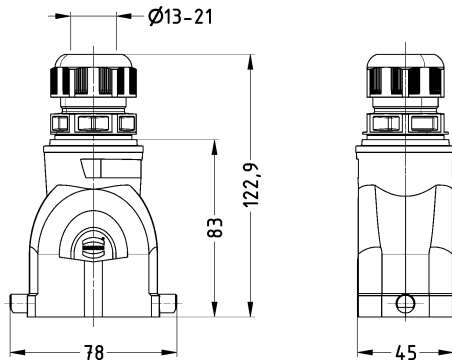
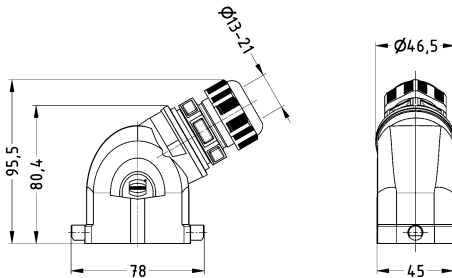
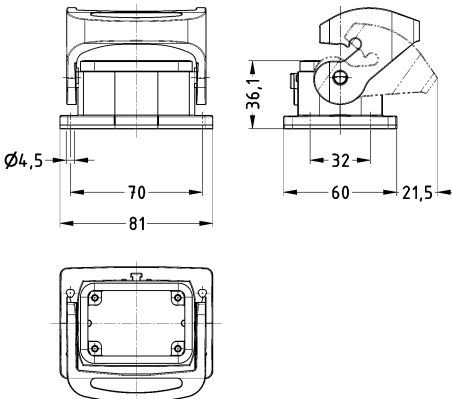
Details

Mating compatible with all metal hoods and housings of the series Han® B.

As an option a larger panel cut out for the rear assembly of the bulkhead mounted housings is possible.

Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 106 0445 19 43 106 0446 19 43 106 0447	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 106 0545 19 43 106 0546 19 43 106 0547	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 006 0340	

Identification

Cable entry

Clamping range
(mm)

Part number

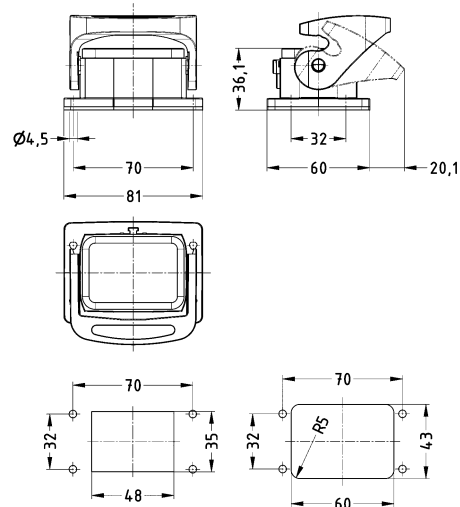
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
Without frame,
IP66



Please order frame 19 43 006 0001 separately.

19 43 006 0330

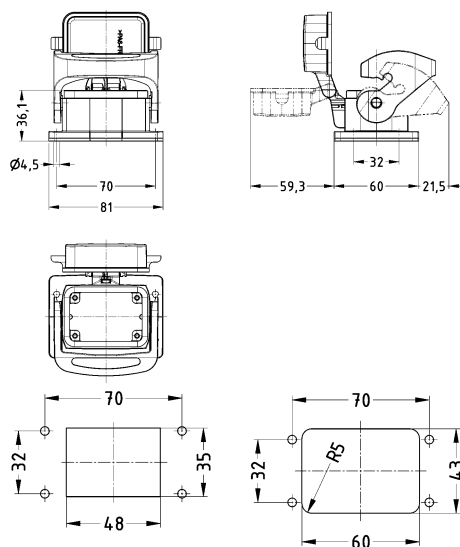


Panel cut out
Front mounting / Rear mounting

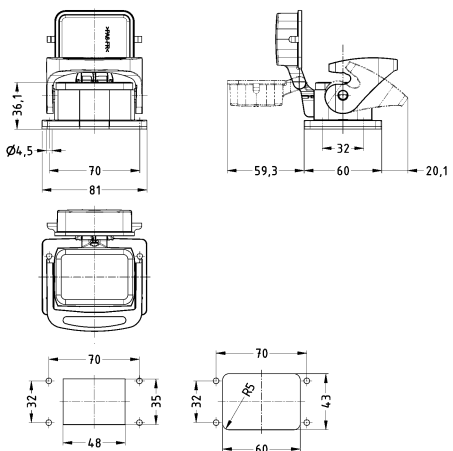
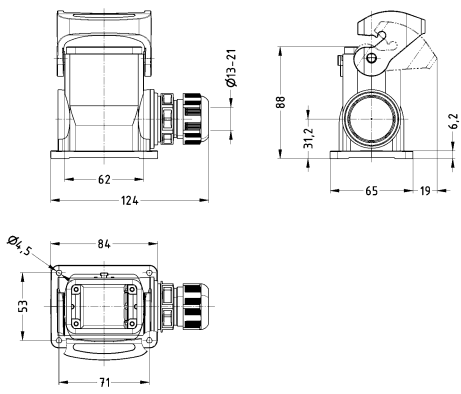
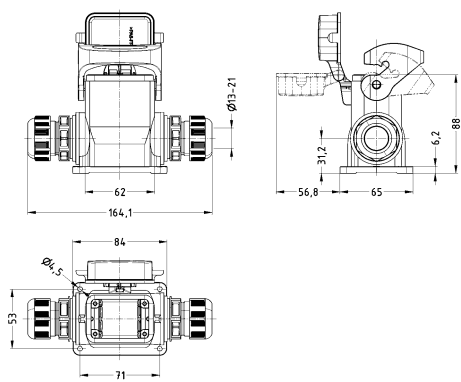
Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
IP66

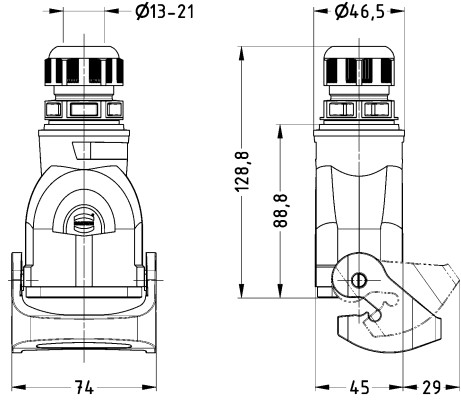


19 43 006 0341



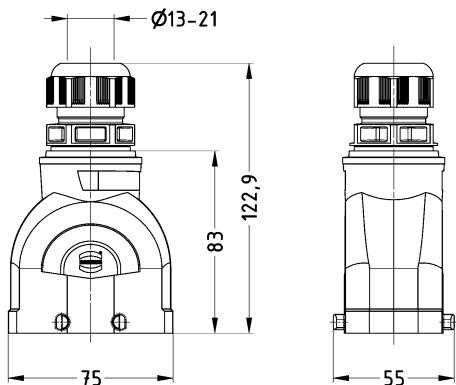
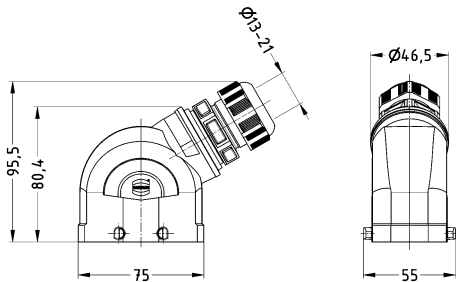
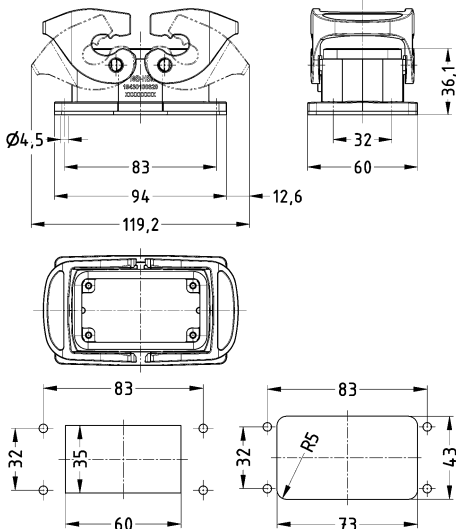
Panel cut out
Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, Without frame, IP66  Please order frame 19 43 006 0001 separately.			19 43 006 0331	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 106 0250 19 43 106 0251 19 43 106 0252 19 43 106 0290 19 43 106 0291 19 43 106 0292	
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 106 0255 19 43 106 0256 19 43 106 0257 19 43 106 0295 19 43 106 0296 19 43 106 0297	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 106 0755 19 43 106 0756 19 43 106 0757	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 			19 43 006 5442 19 43 006 5410	
Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 006 5446	

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0425 19 43 110 0426 19 43 110 0427	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0525 19 43 110 0526 19 43 110 0527	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 010 0320	 Panel cut out Front mounting / Rear mounting

Identification

Cable entry

Clamping range
(mm)

Part number

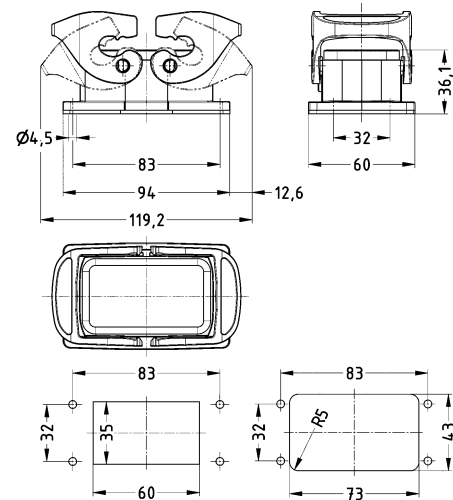
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
Without frame,
IP66



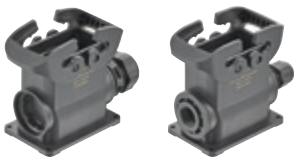
Please order frame 19 43 010 0001 separately.

19 43 010 0310



Panel cut out
Front mounting / Rear mounting

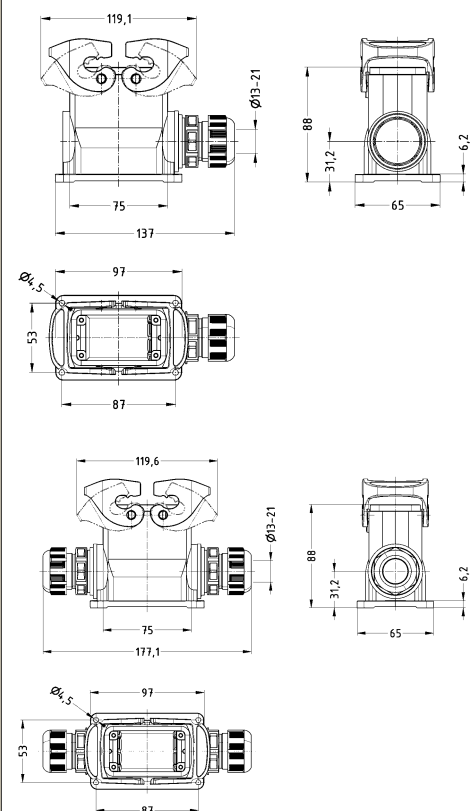
Han-Eco® B,
Surface mounted housing,
With integrated cable gland,
Side entry,
IP66

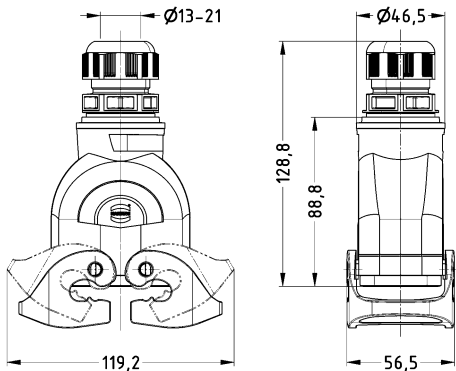
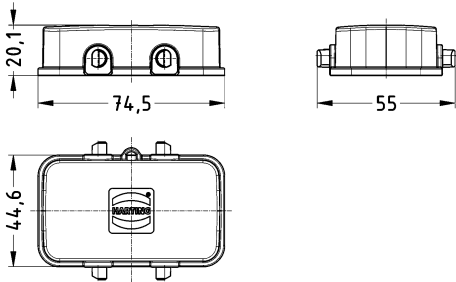


1x M20
1x M25
1x M32
1x M40
2x M20
2x M25
2x M32

6 ... 13
9 ... 17
13 ... 21
16 ... 28
6 ... 13
9 ... 17
13 ... 21

19 43 110 0230
19 43 110 0231
19 43 110 0232
19 43 110 0233
19 43 110 0270
19 43 110 0271
19 43 110 0272

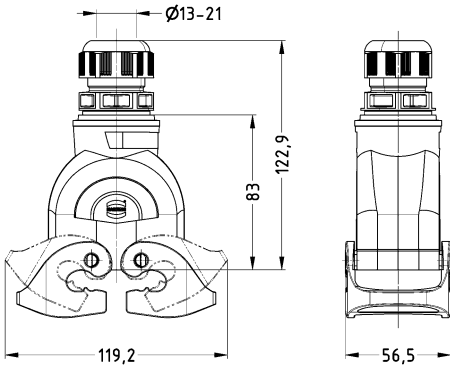
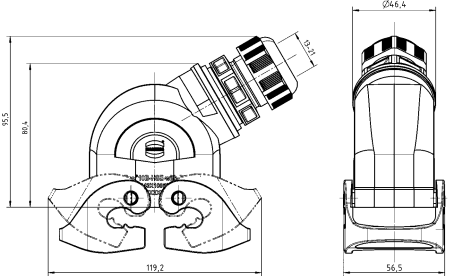
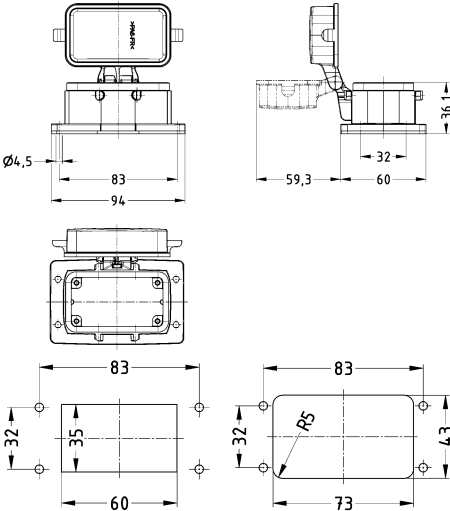


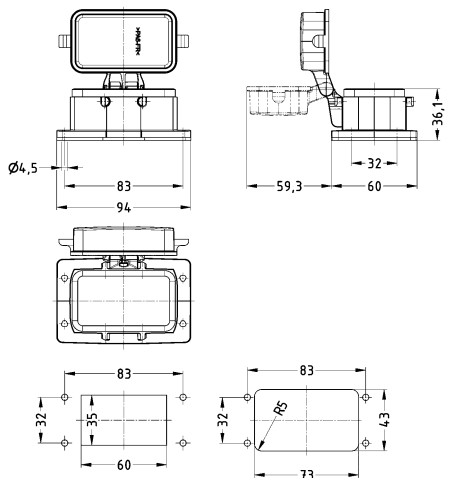
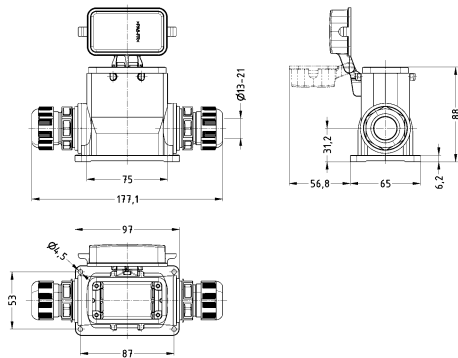
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0735 19 43 110 0736 19 43 110 0737	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 			19 43 010 5422 19 43 010 5425 19 43 010 5426	



Double locking lever (on the hood)

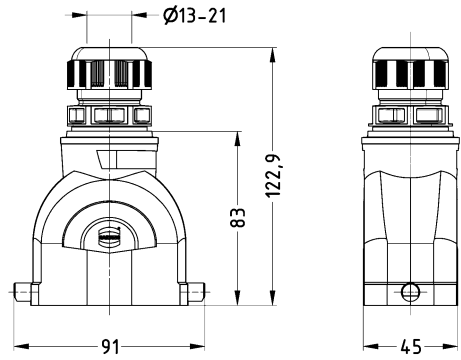
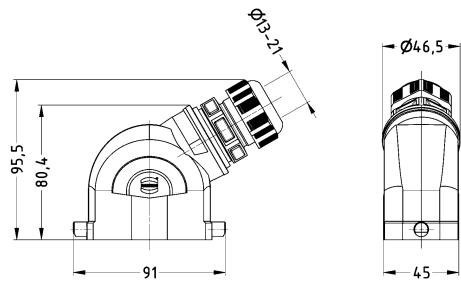
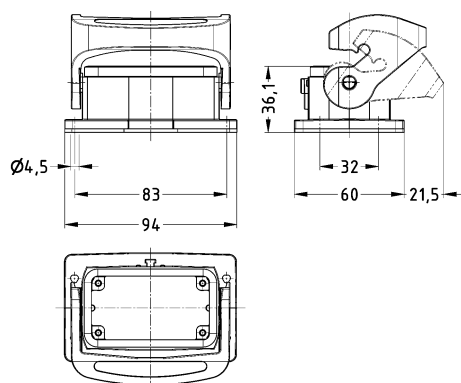
Han
Eco

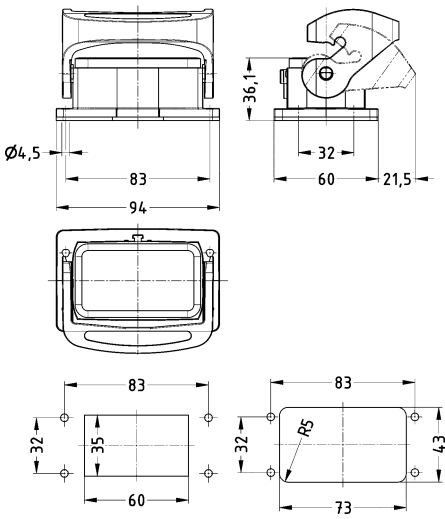
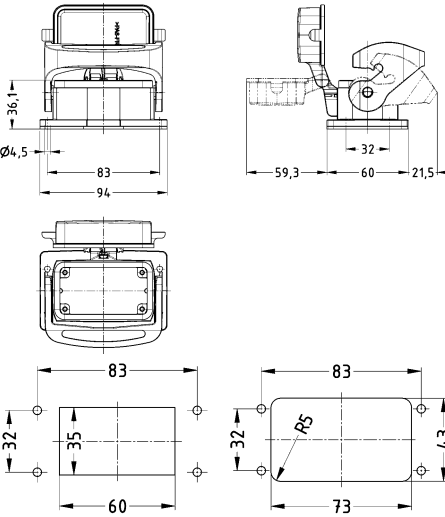
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32	13 ... 21	19 43 110 0437	 Technical drawing showing front and side views of the hood. Dimensions: Ø13-21, 122,9, 83, 119,2, 56,5.
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32	13 ... 21	19 43 110 0537	 Technical drawing showing front and side views of the hood. Dimensions: Ø13-21, 122,9, 83, 119,2, 56,5, Ø46,4, 32, 95,5, 80,5.
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 010 0322	 Technical drawing showing front, side, and top views of the bulkhead mounted housing. Dimensions: Ø4,5, 83, 94, 59,3, 60, 36,1, 32, 73, 43, 35, 60, 83, 32, R5. Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, Without frame, IP66  Please order frame 19 43 010 0001 separately.			19 43 010 0312	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M32 2x M32	13 ... 21 13 ... 21	19 43 110 0227 19 43 110 0267	

Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0445 19 43 110 0446 19 43 110 0447	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0545 19 43 110 0546 19 43 110 0547	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 010 0340	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66  Please order frame 19 43 010 0001 separately.			19 43 010 0330	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 010 0341	 Panel cut out Front mounting / Rear mounting

Identification

Cable entry

Clamping range
(mm)

Part number

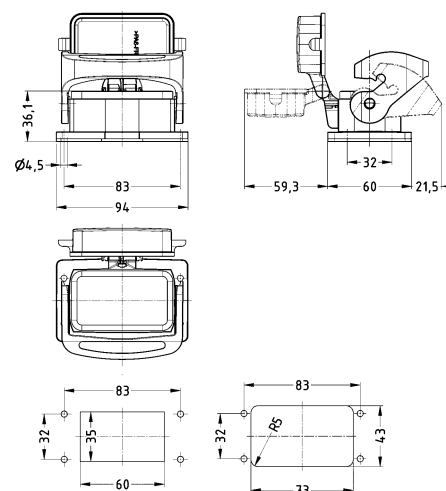
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
Without frame,
IP66



Please order frame 19 43 010 0001 separately.

19 43 010 0331



Panel cut out
Front mounting / Rear mounting

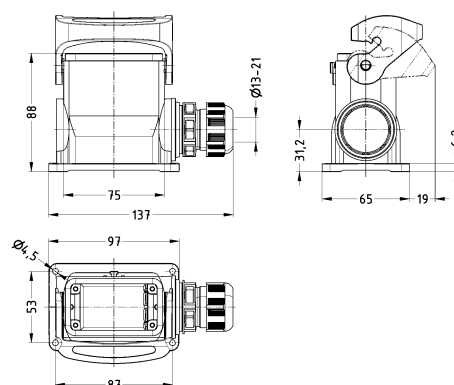
Han-Eco® B,
Surface mounted housing,
With integrated cable gland,
Side entry,
IP66



1x M20
1x M25
1x M32
2x M20
2x M25
2x M32

6 ... 13
9 ... 17
13 ... 21
6 ... 13
9 ... 17
13 ... 21

19 43 110 0250
19 43 110 0251
19 43 110 0252
19 43 110 0290
19 43 110 0291
19 43 110 0292



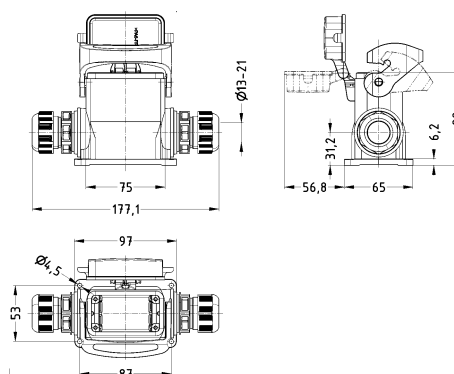
Han-Eco® B,
Surface mounted housing,
With thermo-plastic cover,
With integrated cable gland,
Side entry,
IP66

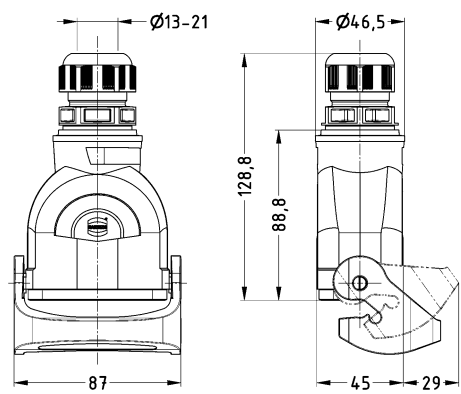


1x M20
1x M25
1x M32
2x M20
2x M25
2x M32

6 ... 13
9 ... 17
13 ... 21
6 ... 13
9 ... 17
13 ... 21

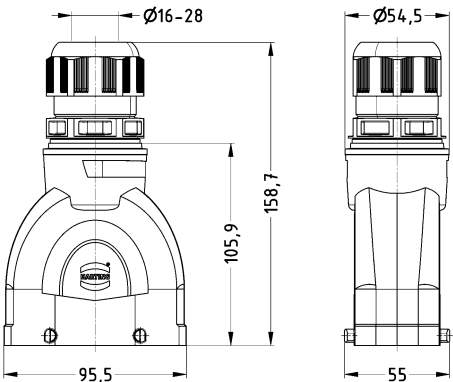
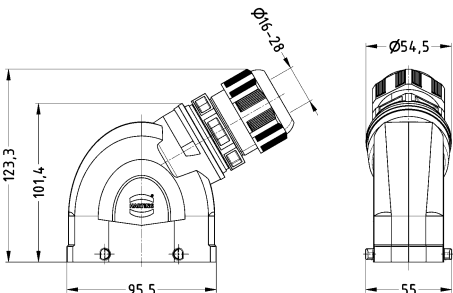
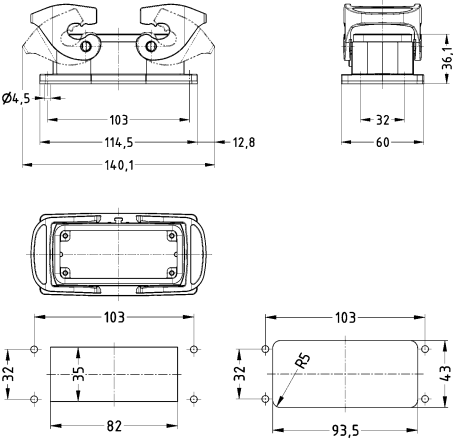
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19 43 110 0295
19 43 110 0296
19 43 110 0297

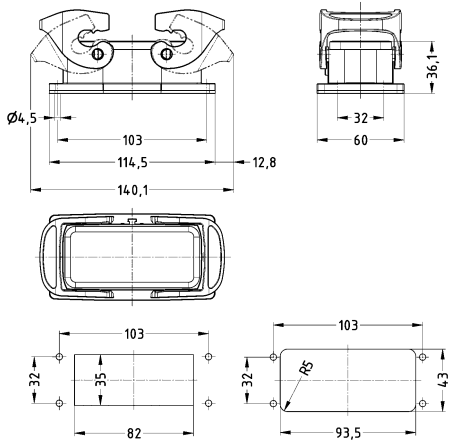
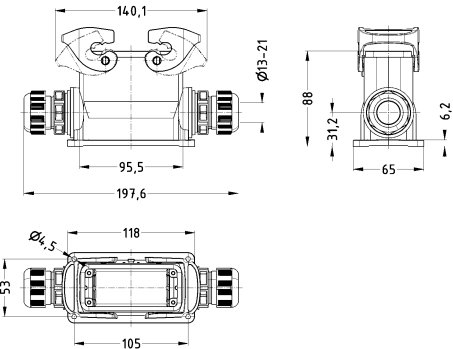
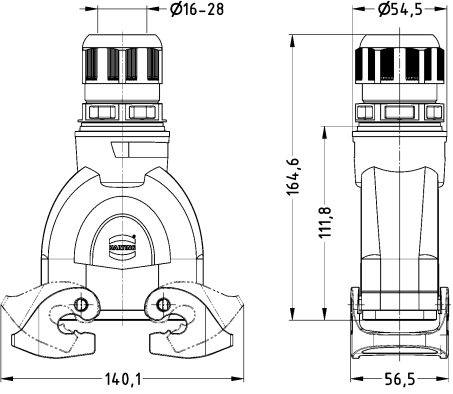


Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0755 19 43 110 0756 19 43 110 0757	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 			19 43 010 5442 19 43 010 5410	
Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 010 5446	

Double locking lever

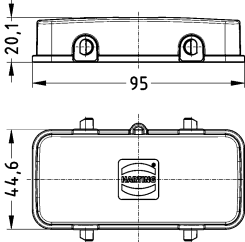
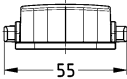
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)	
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0426 19 43 116 0427 19 43 116 0428		
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0526 19 43 116 0527 19 43 116 0528		
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 016 0320	 Panel cut out Front mounting / Rear mounting	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66  Please order frame 19 43 016 0001 separately.			19 43 016 0310	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 116 0231 19 43 116 0232 19 43 116 0233 19 43 116 0271 19 43 116 0272 19 43 116 0273	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0736 19 43 116 0737 19 43 116 0738	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 016 5422	

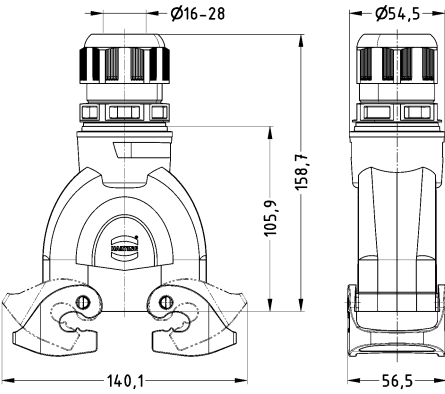
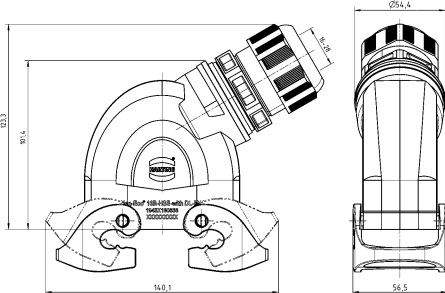
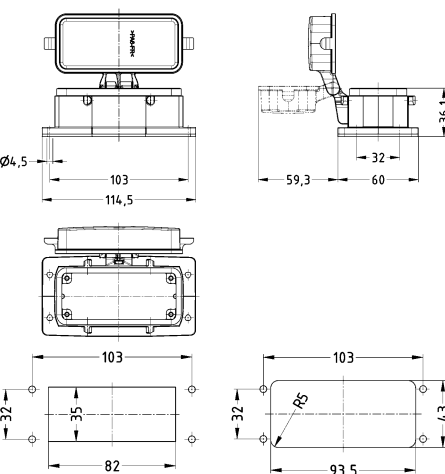


Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66  Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 016 5425 19 43 016 5426	 

Double locking lever (on the hood)

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M40	16 ... 28	19 43 116 0438	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M40	16 ... 28	19 43 116 0538	
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 016 0322	 Panel cut out Front mounting / Rear mounting

Han
Eco

Identification

Cable entry

Clamping range
(mm)

Part number

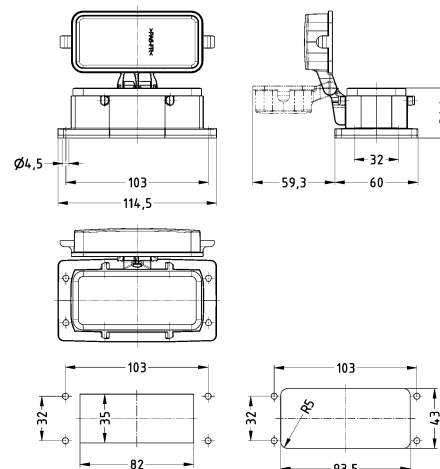
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
Without frame,
IP66



Please order frame 19 43 016
0001 separately.

19 43 016 0312



Panel cut out
Front mounting / Rear mounting

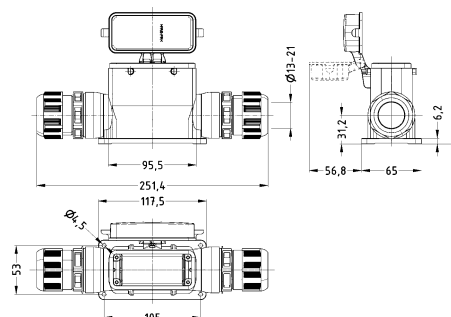
Han-Eco® B,
Surface mounted housing,
With thermo-plastic cover,
With integrated cable gland,
Side entry,
IP66



1x M40
2x M40

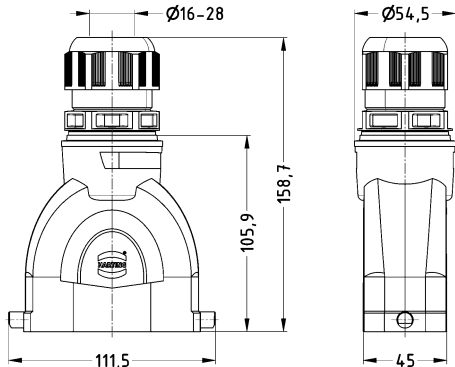
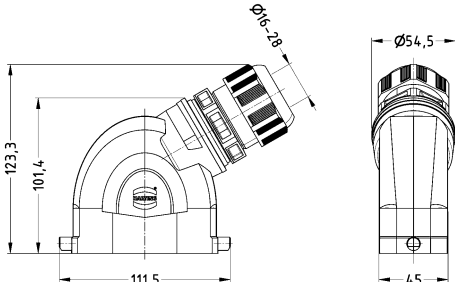
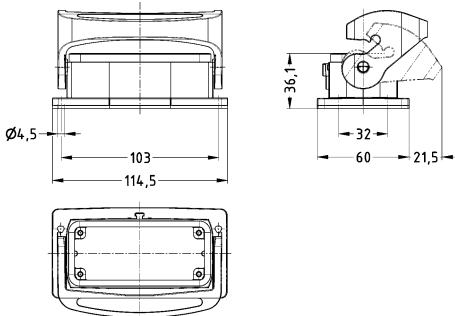
16 ... 28
16 ... 28

19 43 116 0228
19 43 116 0268



Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0446 19 43 116 0447 19 43 116 0448	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0546 19 43 116 0547 19 43 116 0548	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 016 0340	

Han
Eco

Identification

Cable entry

Clamping range
(mm)

Part number

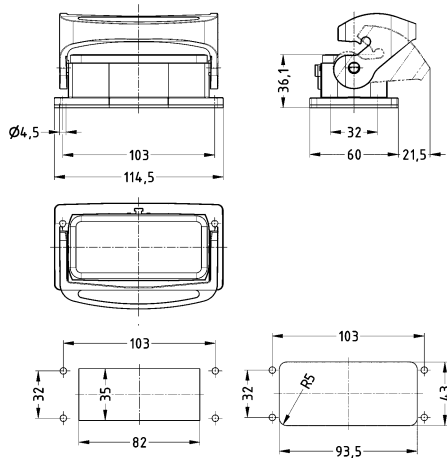
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
Without frame,
IP66



Please order frame 19 43 016 0001 separately.

19 43 016 0330

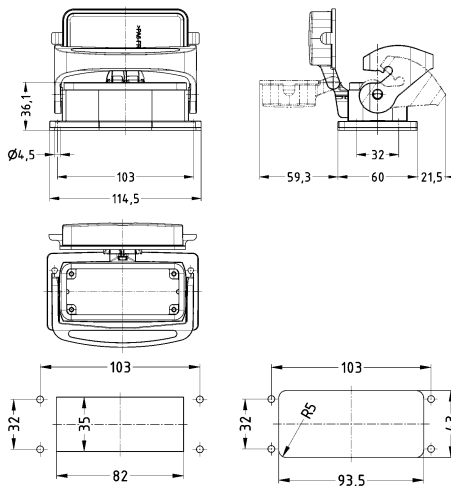


Panel cut out
Front mounting / Rear mounting

Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
IP66



19 43 016 0341



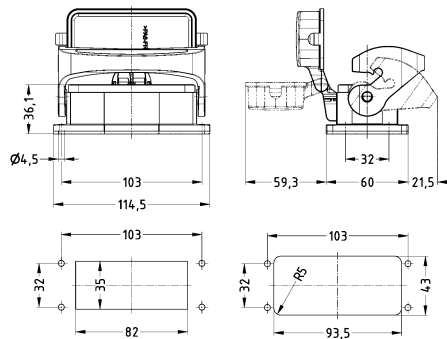
Panel cut out
Front mounting / Rear mounting

Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
Without frame,
IP66

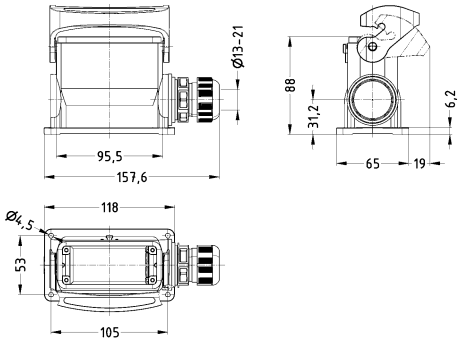
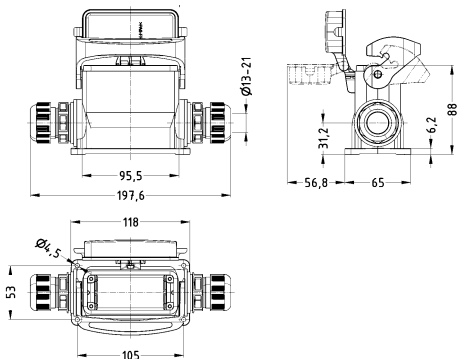
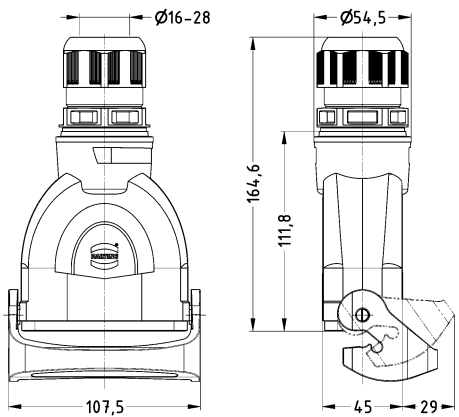


Please order frame 19 43 016 0001 separately.

19 43 016 0331

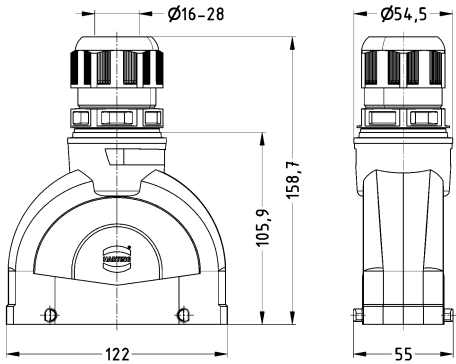
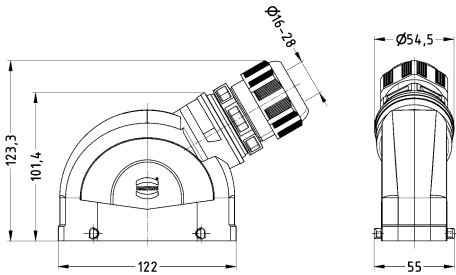
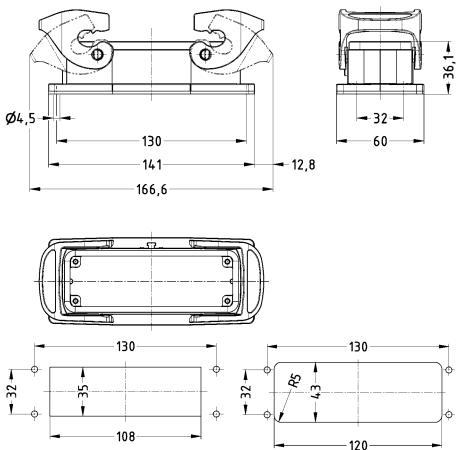


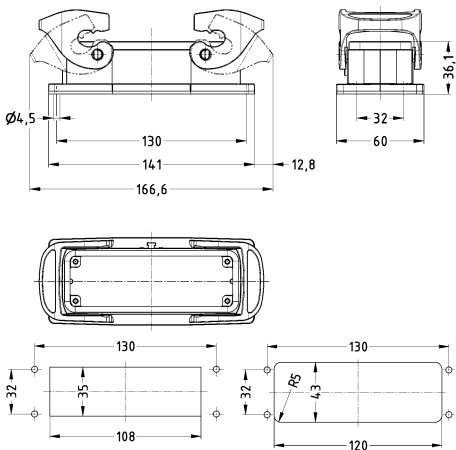
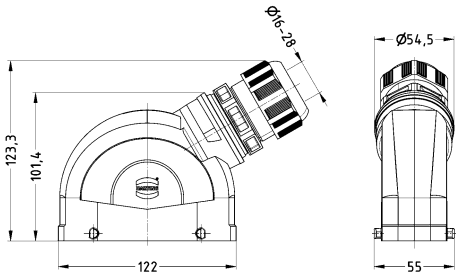
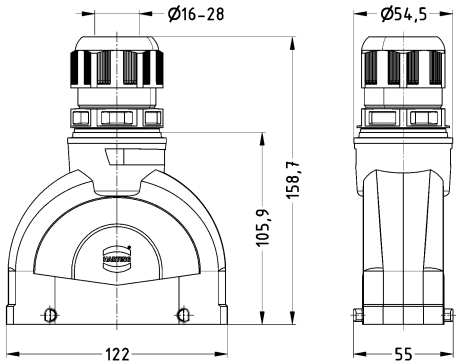
Panel cut out
Front mounting / Rear mounting

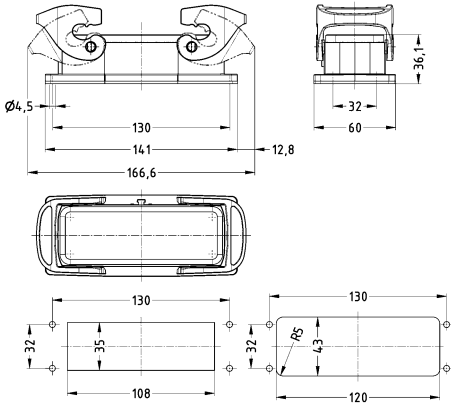
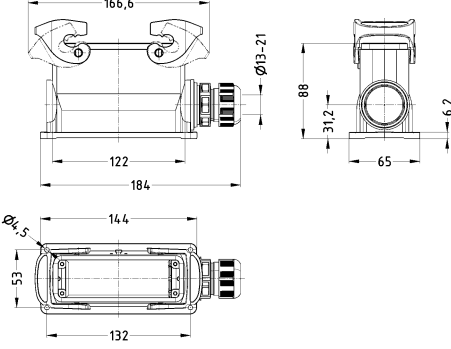
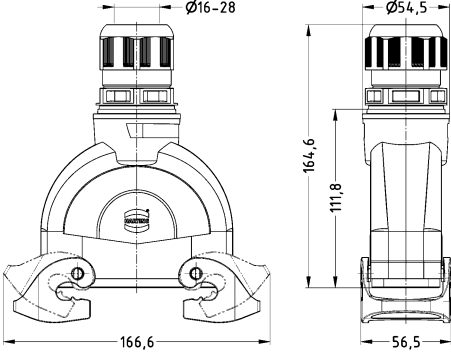
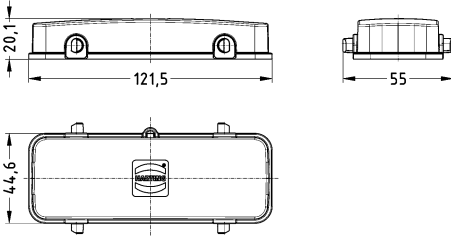
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 116 0251 19 43 116 0252 19 43 116 0253 19 43 116 0291 19 43 116 0292 19 43 116 0293	
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 116 0256 19 43 116 0257 19 43 116 0258 19 43 116 0296 19 43 116 0297 19 43 116 0298	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0756 19 43 116 0757 19 43 116 0758	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 016 5442 19 43 016 5410 19 43 016 5446	

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0427 19 43 124 0428	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0527 19 43 124 0528	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 024 0320	 Panel cut out Front mounting / Rear mounting



Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66  Please order frame 19 43 024 0001 separately.			19 43 024 0310	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 124 0231 19 43 124 0232 19 43 124 0233 19 43 124 0271 19 43 124 0272 19 43 124 0273	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0737 19 43 124 0738	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 			19 43 024 5422 19 43 024 5425	

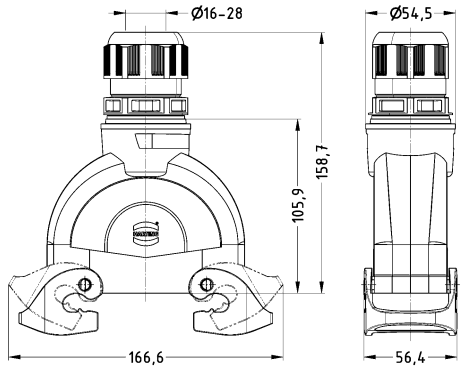
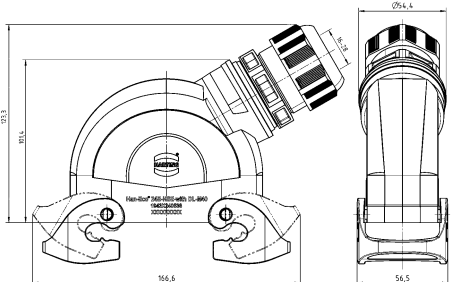
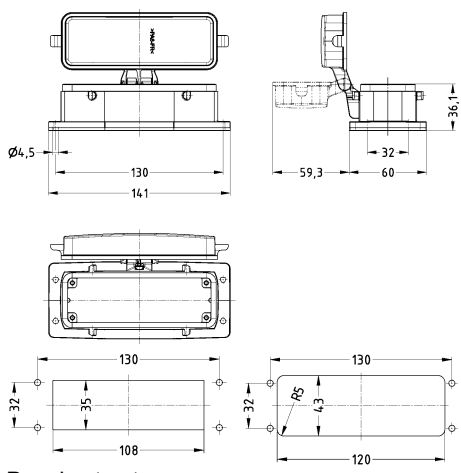


Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 024 5426	

Double locking lever (on the hood)

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M40	16 ... 28	19 43 124 0438	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M40	16 ... 28	19 43 124 0538	
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 024 0322	 Panel cut out Front mounting / Rear mounting

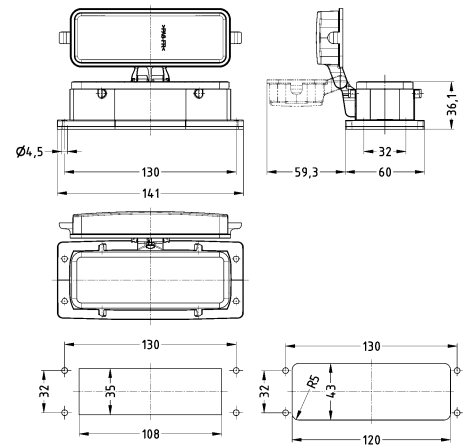
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
Without frame,
IP66



Please order frame 19 43 024 0001 separately.

19 43 024 0312



Panel cut out
Front mounting / Rear mounting

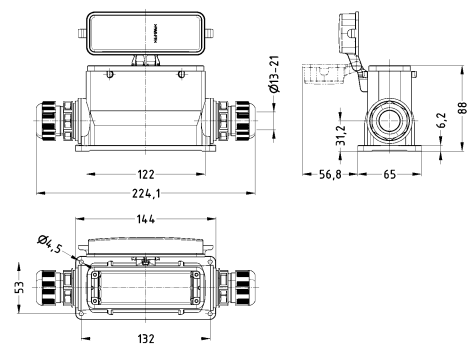
Han-Eco® B,
Surface mounted housing,
With thermo-plastic cover,
With integrated cable gland,
Side entry,
IP66



1x M32
1x M40
2x M32
2x M40

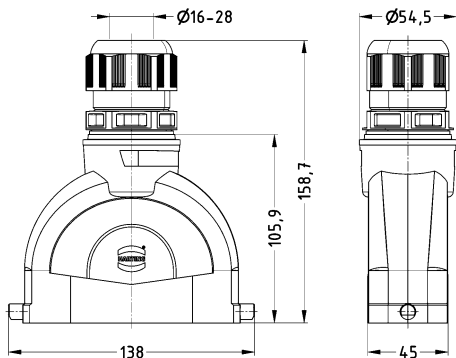
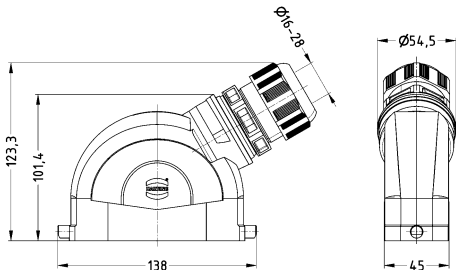
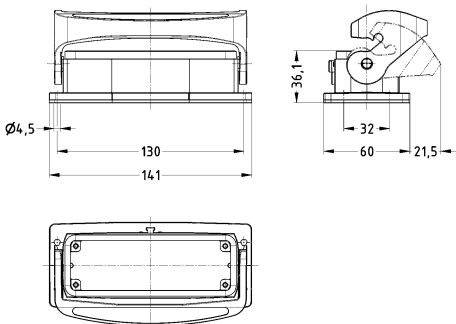
13 ... 21
16 ... 28
13 ... 21
16 ... 28

19 43 124 0227
19 43 124 0228
19 43 124 0267
19 43 124 0268



Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0447 19 43 124 0448	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0547 19 43 124 0548	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 024 0340	

Identification

Cable entry

Clamping range
(mm)

Part number

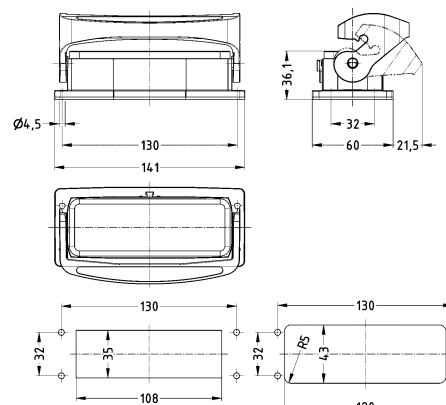
Drawing
(dimensions in mm)

Han-Eco® B,
Bulkhead mounted housing,
Without frame,
IP66



Please order frame 19 43 024
0001 separately.

19 43 024 0330

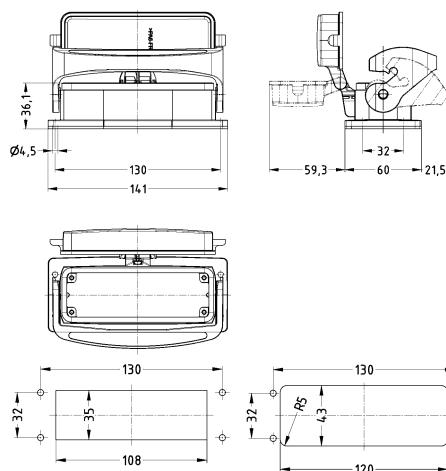


Panel cut out
Front mounting / Rear mounting

Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
IP66



19 43 024 0341

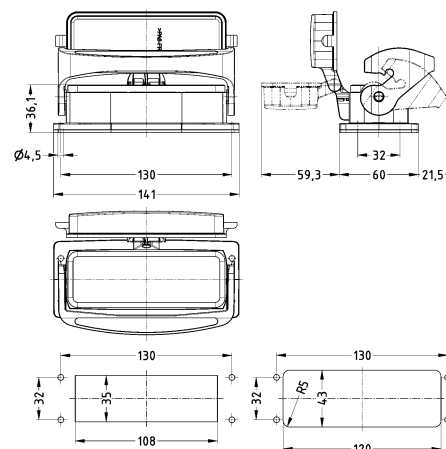


Panel cut out
Front mounting / Rear mounting

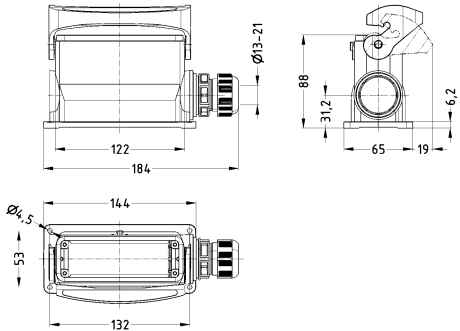
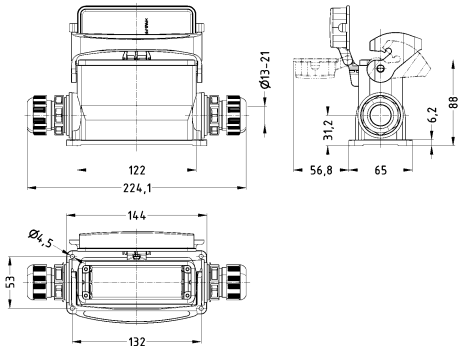
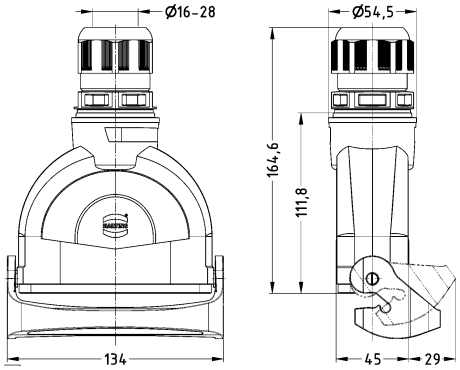
Han-Eco® B,
Bulkhead mounted housing,
With thermo-plastic cover,
Without frame,
IP66



19 43 024 0331



Panel cut out
Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 124 0251 19 43 124 0252 19 43 124 0253 19 43 124 0291 19 43 124 0292 19 43 124 0293	
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 124 0256 19 43 124 0257 19 43 124 0258 19 43 124 0296 19 43 124 0297 19 43 124 0298	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0757 19 43 124 0758	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66 			19 43 024 5442 19 43 024 5410 19 43 024 5446	

Features

- Suitable for standard inserts and modules from the Han-Mod-ular® portfolio
- With integrated cable gland
- Suitable for applications according to protection class I
- Minimal weight with excellent mechanical robustness

Technical characteristics

Limiting temperature	-40 ... +125 °C
Number of relockings	≥500
Degree of protection acc. to IEC 60529	IP66
Material (hood/housing)	Polyamide (PA), Fibre-glass reinforced
Colour (hood/housing)	RAL 9005 (jet black)
Material (seal)	FPM
Colour (seal)	RAL 7001 (silver-grey)
Material (locking)	Polyamide (PA), Fibre-glass reinforced
Colour (locking)	RAL 9005 (jet black)
Material flammability class acc. to UL 94	V-0
Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant with exemption, compliant

Specifications and approvals

IEC 61984
EN 45545-2 R22: HL1, HL2, HL3
EN 45545-2 R23: HL1, HL2, HL3
EN 45545-2 R24: HL1, HL2, HL3



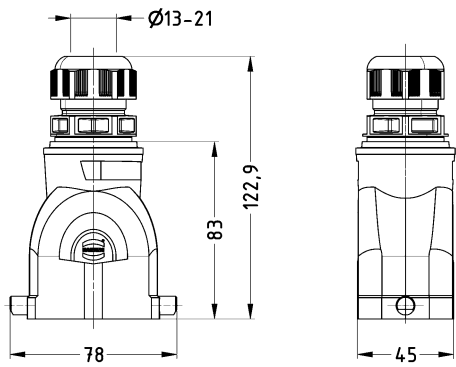
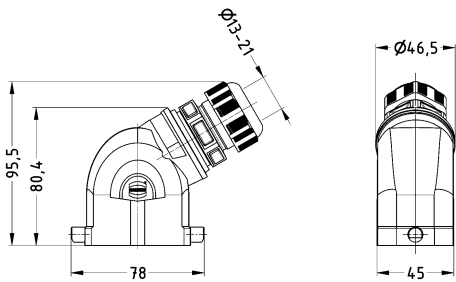
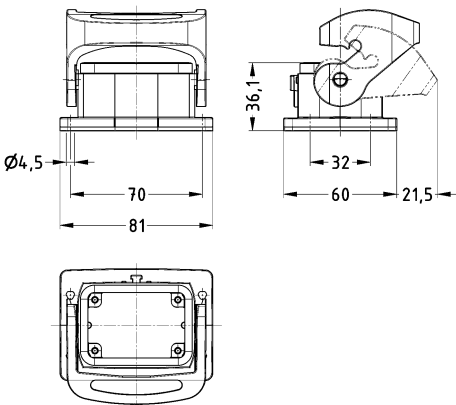
Details

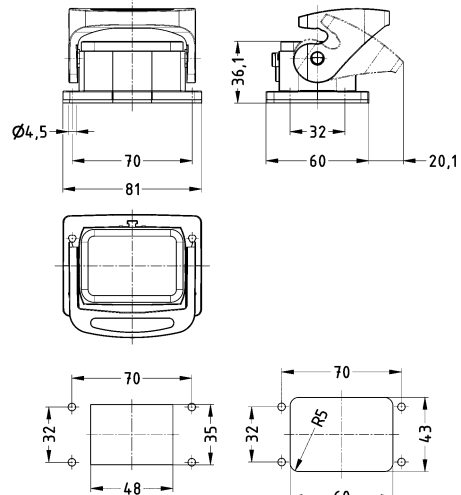
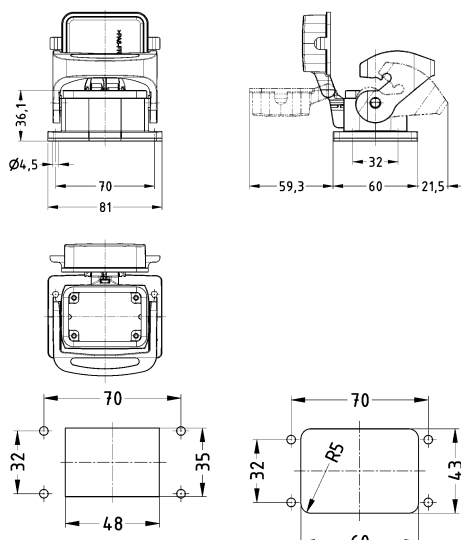
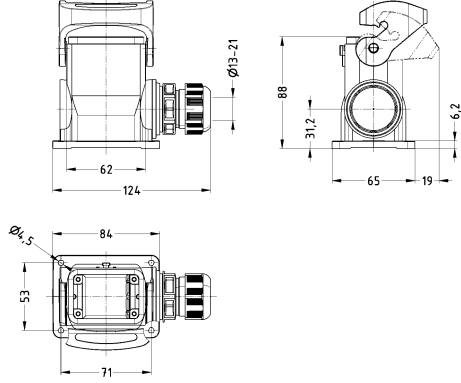
Mating compatible with all metal hoods and housings of the series Han® B.

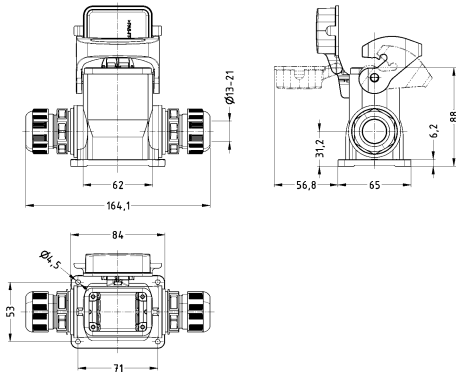
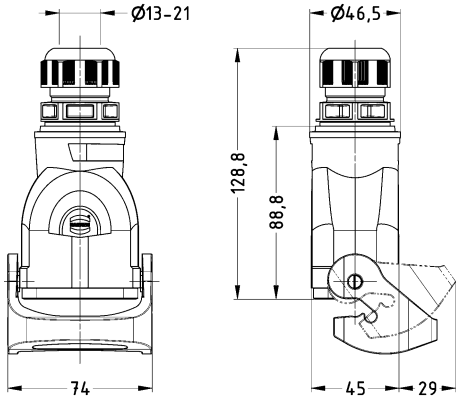
As an option a larger panel cut out for the rear assembly of the bulkhead mounted housings is possible.

Single locking lever

Han
Eco

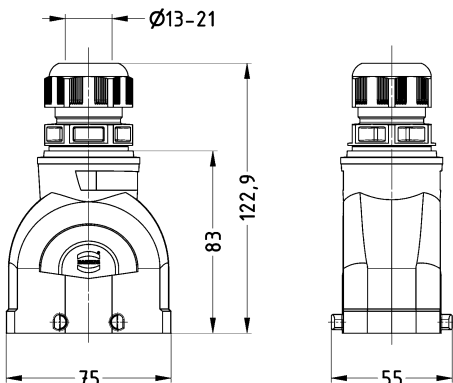
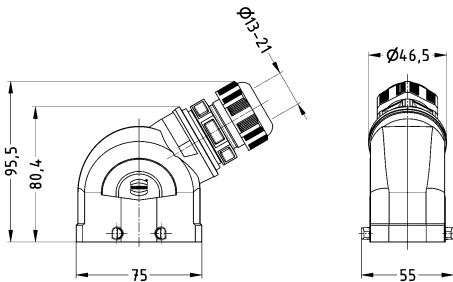
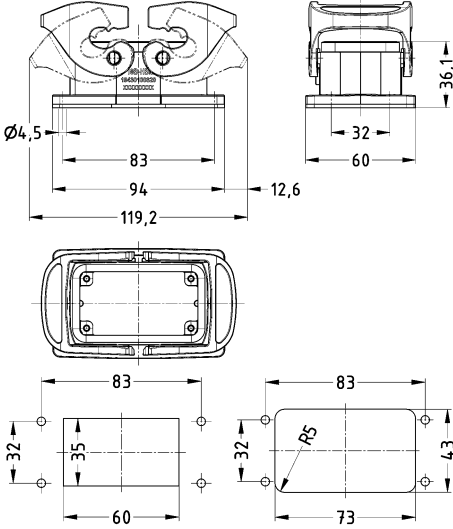
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 106 0445 19 43 106 0446 19 43 106 0447	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 106 0545 19 43 106 0546 19 43 106 0547	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 206 0340	

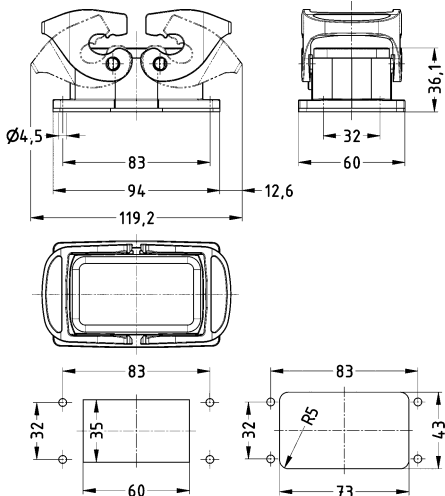
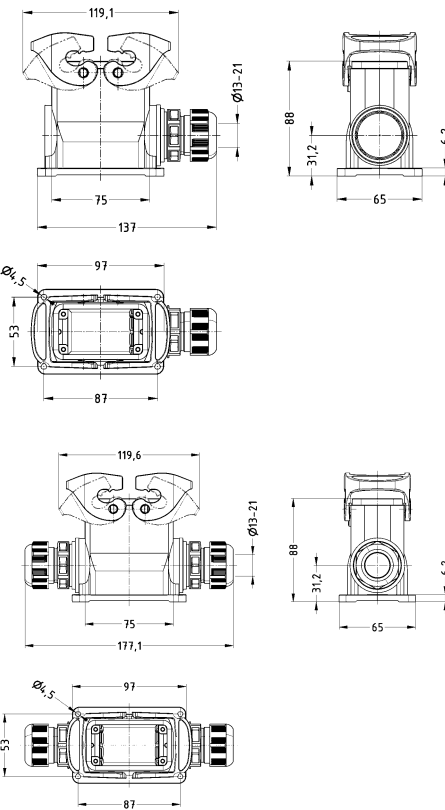
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66 Please order frame 19 43 006 0001 separately.			19 43 206 0330	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 206 0341	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 306 0250 19 43 306 0251 19 43 306 0252 19 43 306 0290 19 43 306 0291 19 43 306 0292	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 306 0255 19 43 306 0256 19 43 306 0257 19 43 306 0295 19 43 306 0296 19 43 306 0297	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 306 0755 19 43 306 0756 19 43 306 0757	
Han-Eco® B, Protection cover, for hoods, IP66 Han-Eco® B, Protection cover, for bulkhead mounted housings, for surface mounted housings, IP66  Han-Eco® B, Protection cover, for cable to cable housing, IP66			19 43 206 5442 19 43 006 5410 19 43 006 5446	

Double locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0425 19 43 110 0426 19 43 110 0427	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 110 0525 19 43 110 0526 19 43 110 0527	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 210 0320	 Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66  Please order frame 19 43 010 0001 separately.			19 43 210 0310	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 1x M40 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 16 ... 28 6 ... 13 9 ... 17 13 ... 21	19 43 310 0230 19 43 310 0231 19 43 310 0232 19 43 310 0233 19 43 310 0270 19 43 310 0271 19 43 310 0272	



Han
Eco

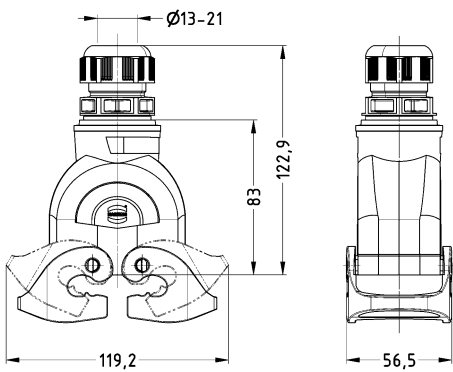
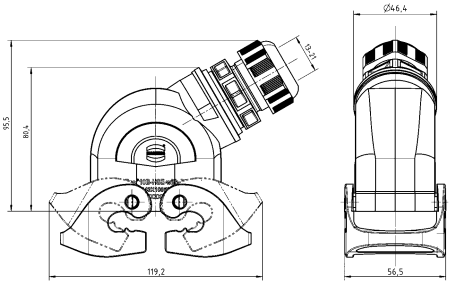
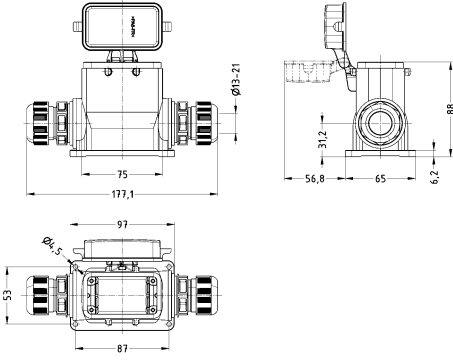
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 310 0735 19 43 310 0736 19 43 310 0737	



Han-Eco® B, Protection cover, for hoods, IP66			19 43 210 5422	
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Double locking lever (on the hood)

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32	13 ... 21	19 43 110 0437	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32	13 ... 21	19 43 110 0537	
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M32 2x M32	13 ... 21 13 ... 21	19 43 310 0227 19 43 310 0267	

Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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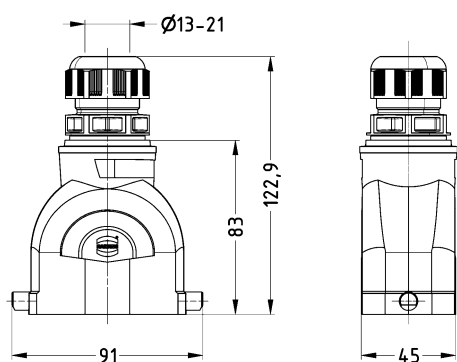
Han-Eco® B,
Hood,
With integrated cable gland,
Top entry,
IP66



1x M20

6 ... 13

19 43 110 0445



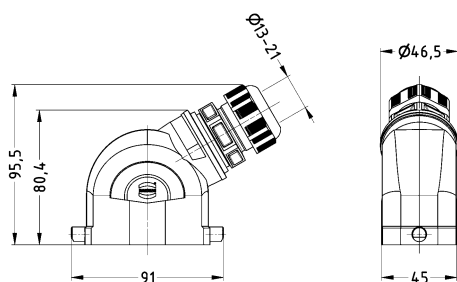
Han-Eco® B,
Hood,
With integrated cable gland,
Side entry,
IP66



1x M20
1x M25
1x M32

6 ... 13
9 ... 17
13 ... 21

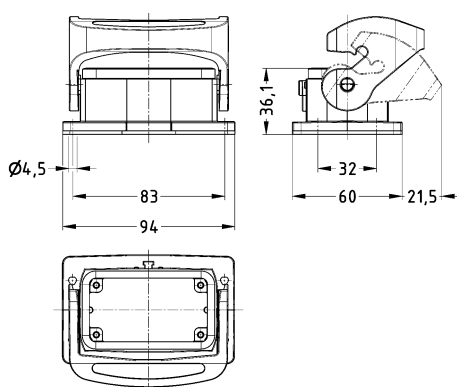
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19 43 110 0546
19 43 110 0547

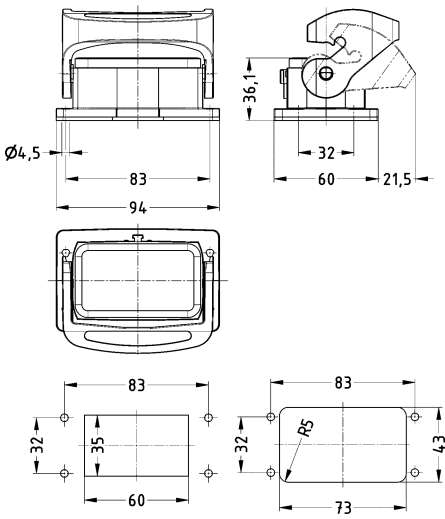
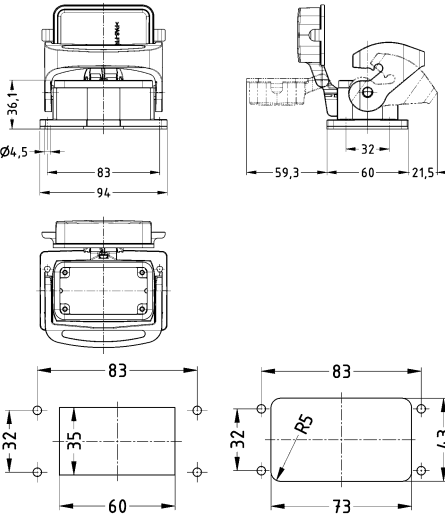
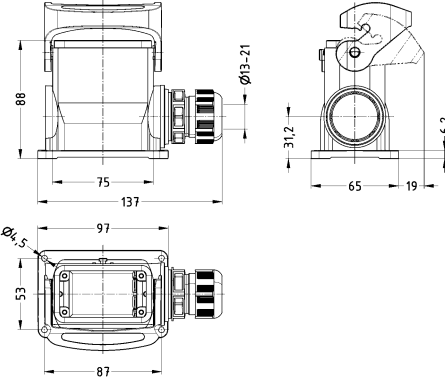


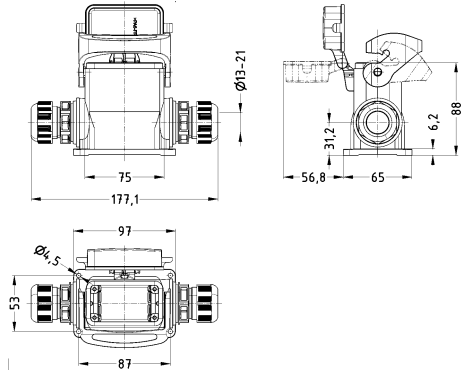
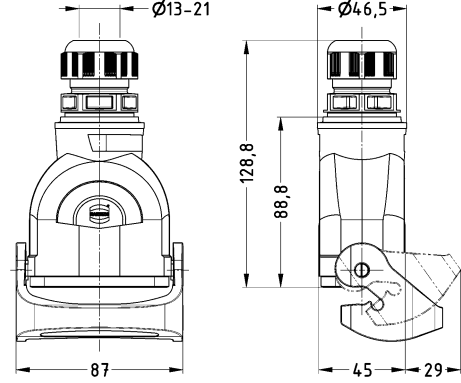
Han-Eco® B,
Bulkhead mounted housing,
IP66



19 43 210 0340

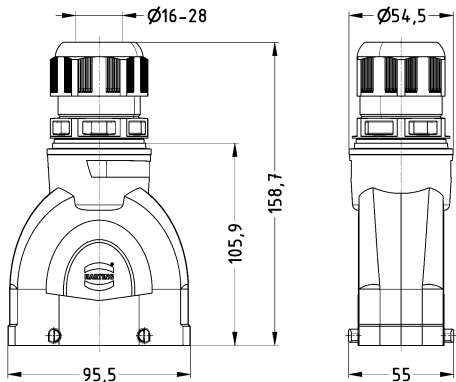
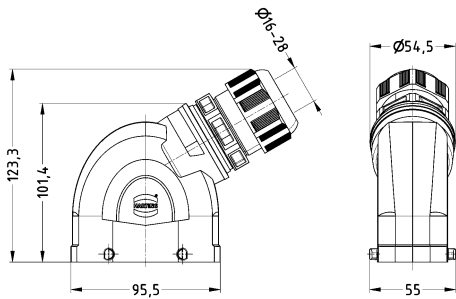
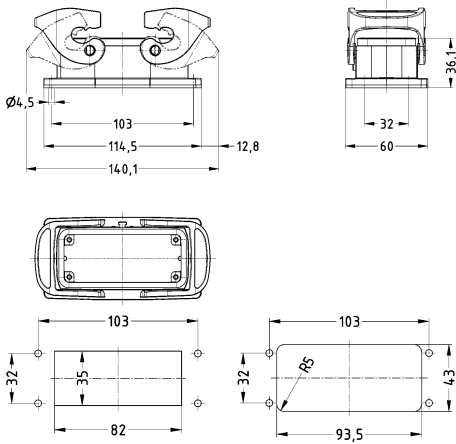


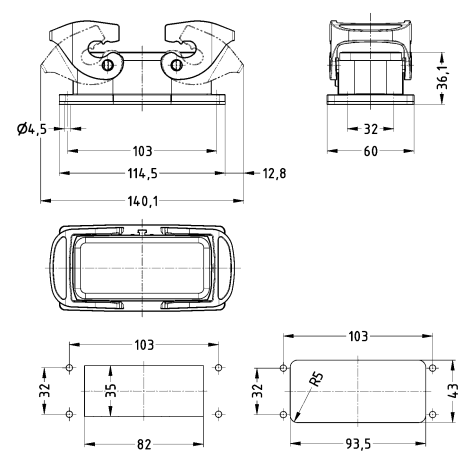
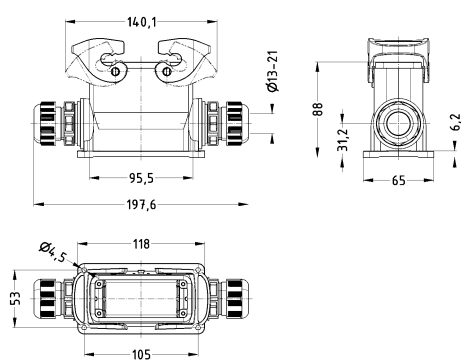
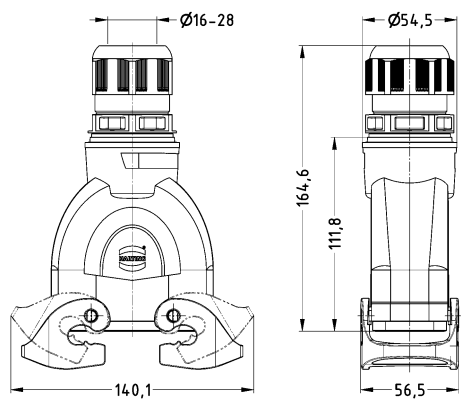
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66 Please order frame 19 43 010 0001 separately.			19 43 210 0330	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 210 0341	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 310 0250 19 43 310 0251 19 43 310 0252 19 43 310 0290 19 43 310 0291 19 43 310 0292	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M20 1x M25 1x M32 2x M20 2x M25 2x M32	6 ... 13 9 ... 17 13 ... 21 6 ... 13 9 ... 17 13 ... 21	19 43 310 0255 19 43 310 0256 19 43 310 0257 19 43 310 0295 19 43 310 0296 19 43 310 0297	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M20 1x M25 1x M32	6 ... 13 9 ... 17 13 ... 21	19 43 310 0755 19 43 310 0756 19 43 310 0757	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 210 5442	

Double locking lever

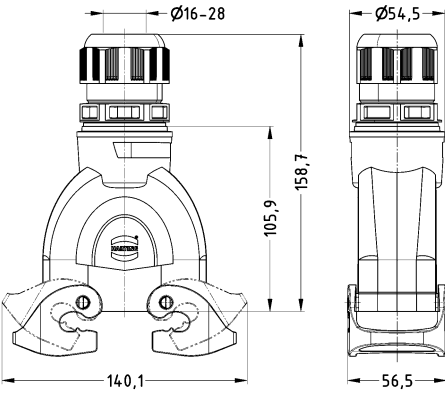
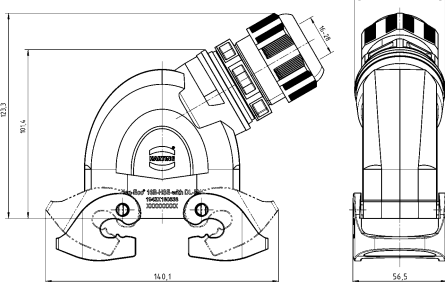
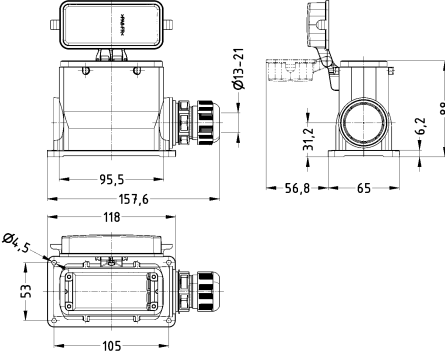
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0426 19 43 116 0427 19 43 116 0428	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0526 19 43 116 0527 19 43 116 0528	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 216 0320	 Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66 Please order frame 19 43 016 0001 separately.			19 43 216 0310	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 316 0231 19 43 316 0232 19 43 316 0233 19 43 316 0271 19 43 316 0272 19 43 316 0273	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 316 0736 19 43 316 0737 19 43 316 0738	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 216 5422	

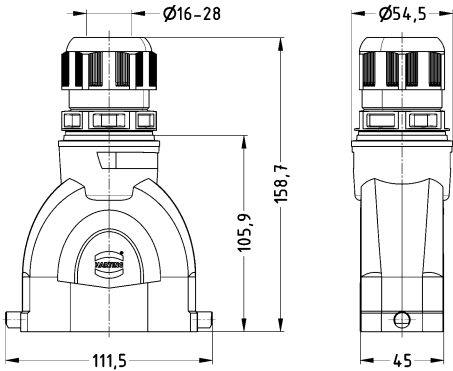
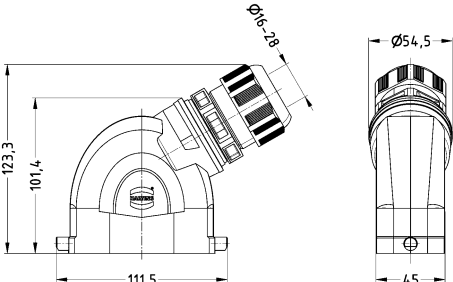
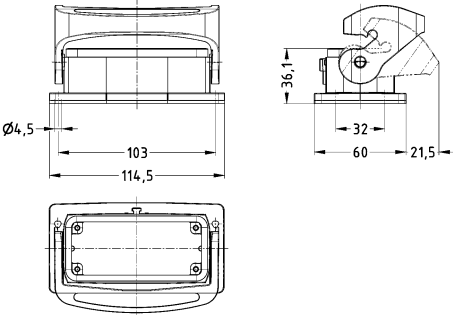
Double locking lever (on the hood)

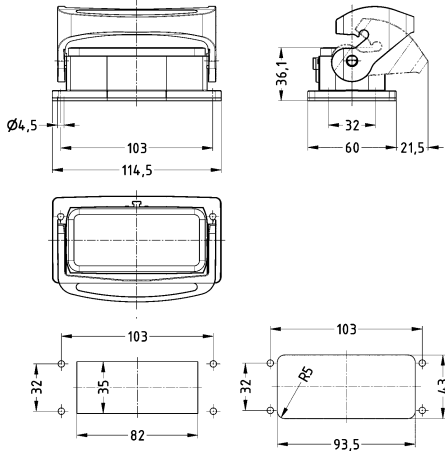
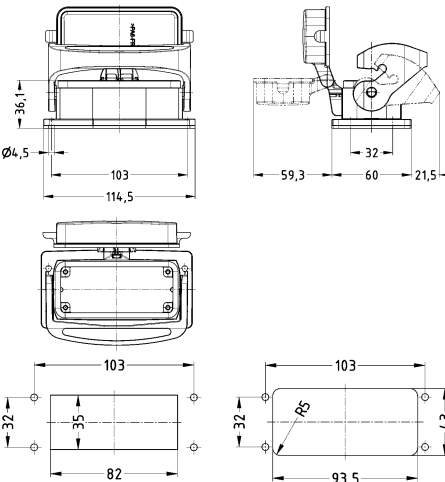
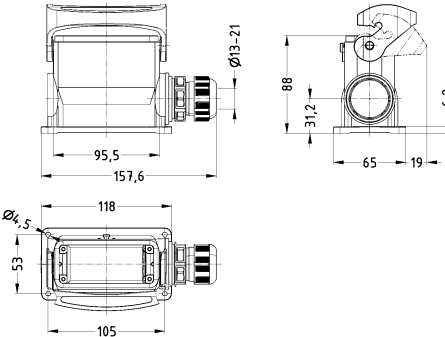
Han
Eco

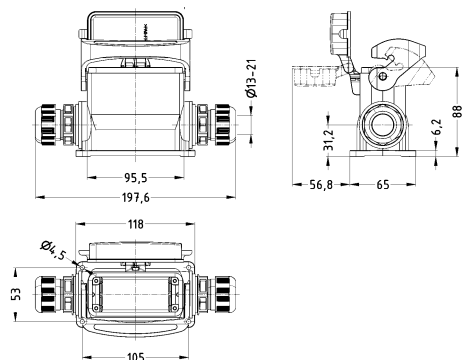
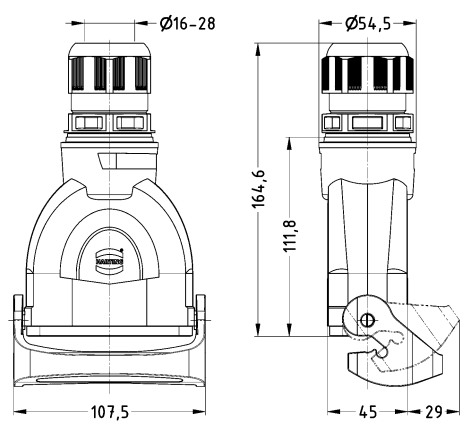
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M40	16 ... 28	19 43 116 0438	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M40	16 ... 28	19 43 116 0538	
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M40 2x M40	16 ... 28 16 ... 28	19 43 316 0228 19 43 316 0268	

Single locking lever

Han
Eco

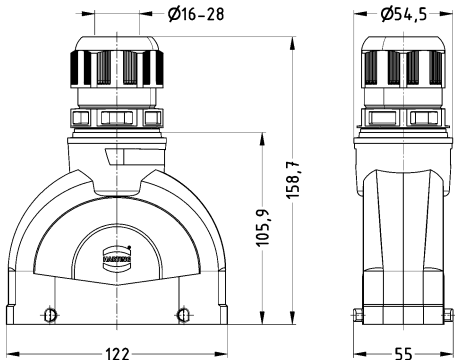
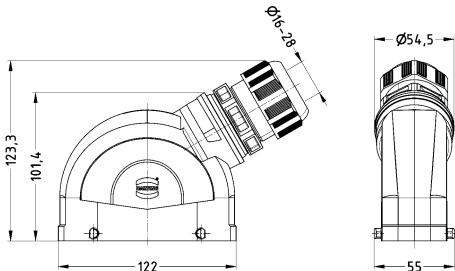
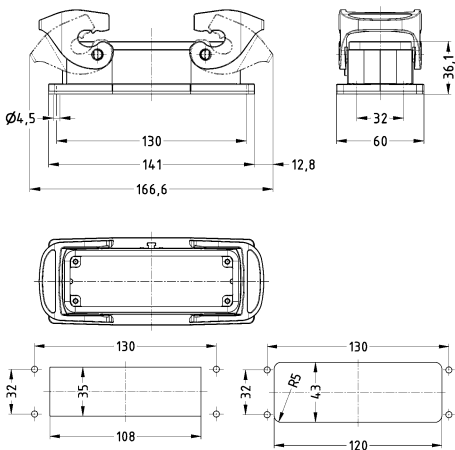
Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0446 19 43 116 0447 19 43 116 0448	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 116 0546 19 43 116 0547 19 43 116 0548	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 216 0340	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66  Please order frame 19 43 016 0001 separately.			19 43 216 0330	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 216 0341	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 316 0251 19 43 316 0252 19 43 316 0253 19 43 316 0291 19 43 316 0292 19 43 316 0293	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 316 0256 19 43 316 0257 19 43 316 0258 19 43 316 0296 19 43 316 0297 19 43 316 0298	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M25 1x M32 1x M40	9 ... 17 13 ... 21 16 ... 28	19 43 316 0756 19 43 316 0757 19 43 316 0758	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 216 5442	

Double locking lever

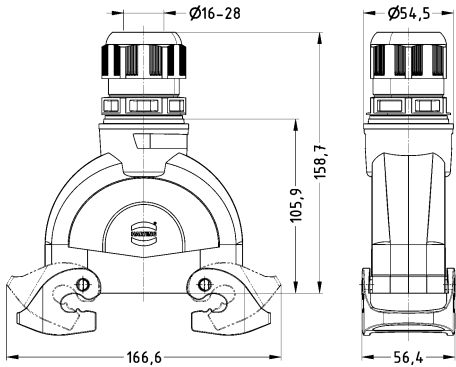
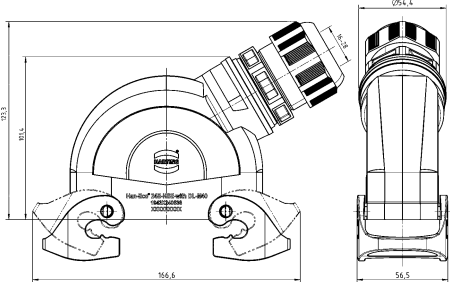
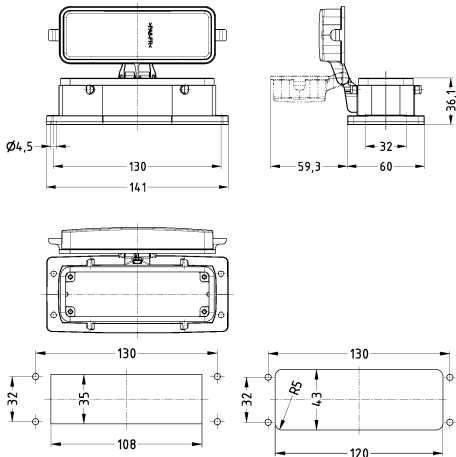
Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0427 19 43 124 0428	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0527 19 43 124 0528	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 224 0320	 Panel cut out Front mounting / Rear mounting

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66 Please order frame 19 43 024 0001 separately.			19 43 224 0310	Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 324 0231 19 43 324 0232 19 43 324 0233 19 43 324 0271 19 43 324 0272 19 43 324 0273	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 324 0737 19 43 324 0738	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 224 5422	

Double locking lever (on the hood)

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M40	16 ... 28	19 43 124 0438	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M40	16 ... 28	19 43 124 0538	
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 224 0322	 Panel cut out Front mounting / Rear mounting



Han
Eco

Identification

Han-Eco® B,
Surface mounted housing,
With thermo-plastic cover,
With integrated cable gland,
Side entry,
IP66



Cable entry

1x M32
1x M40
2x M32
2x M40

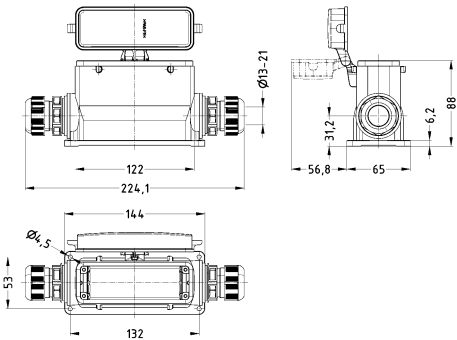
Clamping range
(mm)

13 ... 21
16 ... 28
13 ... 21
16 ... 28

Part number

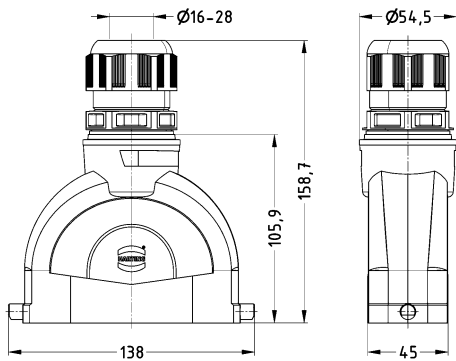
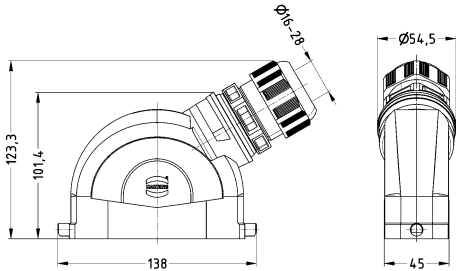
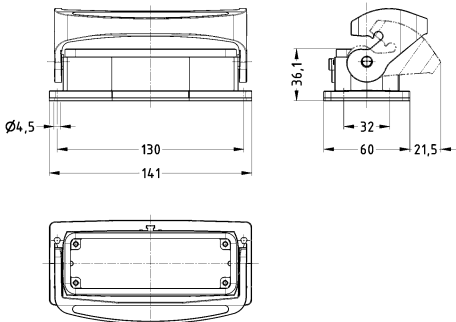
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19 43 324 0228
19 43 324 0267
19 43 324 0268

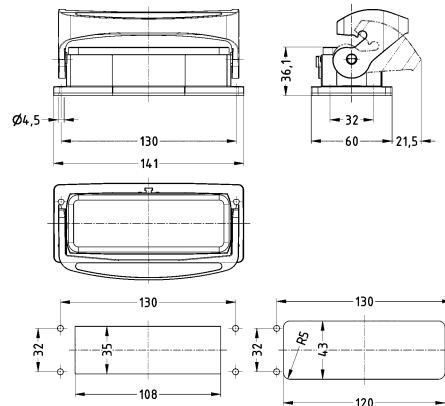
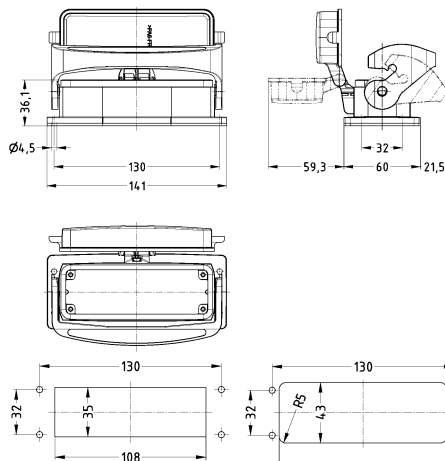
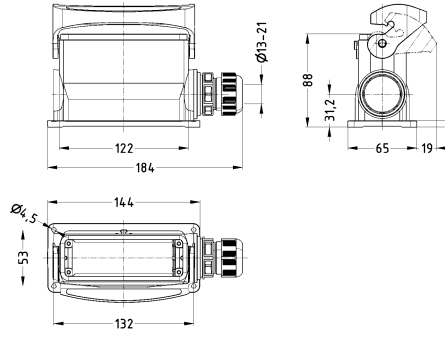
Drawing
(dimensions in mm)

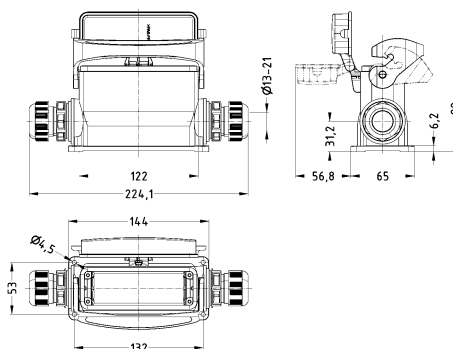
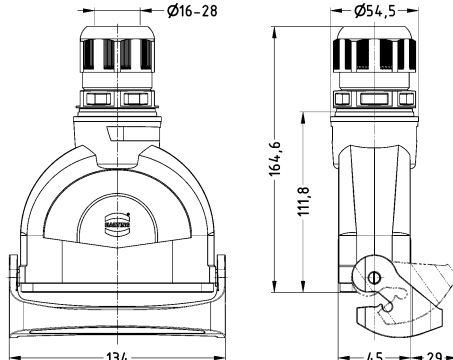


Single locking lever

Han
Eco

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Hood, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0447 19 43 124 0448	
Han-Eco® B, Hood, With integrated cable gland, Side entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 124 0547 19 43 124 0548	
Han-Eco® B, Bulkhead mounted housing, IP66 			19 43 224 0340	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Bulkhead mounted housing, Without frame, IP66 Please order frame 19 43 024 0001 separately.			19 43 224 0330	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Bulkhead mounted housing, With thermo-plastic cover, IP66 			19 43 224 0341	 Panel cut out Front mounting / Rear mounting
Han-Eco® B, Surface mounted housing, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 324 0251 19 43 324 0252 19 43 324 0253 19 43 324 0291 19 43 324 0292 19 43 324 0293	

Identification	Cable entry	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Han-Eco® B, Surface mounted housing, With thermo-plastic cover, With integrated cable gland, Side entry, IP66 	1x M25 1x M32 1x M40 2x M25 2x M32 2x M40	9 ... 17 13 ... 21 16 ... 28 9 ... 17 13 ... 21 16 ... 28	19 43 324 0256 19 43 324 0257 19 43 324 0258 19 43 324 0296 19 43 324 0297 19 43 324 0298	
Han-Eco® B, Cable to cable housing, With integrated cable gland, Top entry, IP66 	1x M32 1x M40	13 ... 21 16 ... 28	19 43 324 0757 19 43 324 0758	
Han-Eco® B, Protection cover, for hoods, IP66			19 43 224 5442	

Number of contacts

1

Technical characteristics

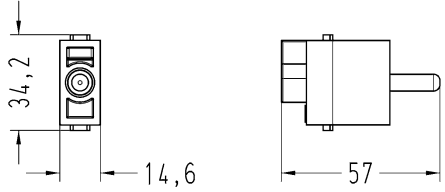
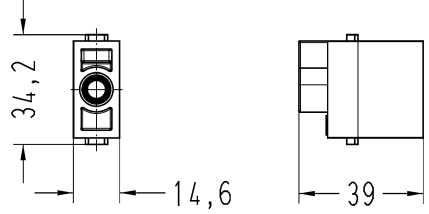
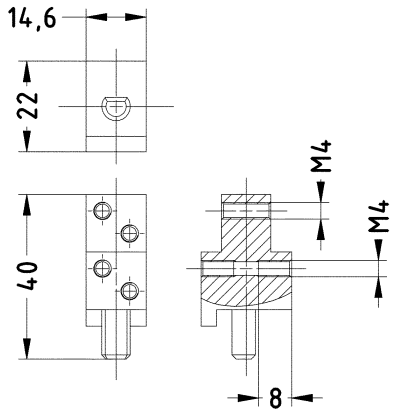
Number of contacts	1
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material (accessories)	Copper alloy

Technical characteristics

RoHS compliant with exemption

Specifications and approvals

UL 1977 ECBT2.E235076
IEC 61984

Identification	Conductor cross-section (mm ²)	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Eco® Modular, Contact module, Screw termination  With 09 99 000 0830 HARTING Crimping tool also cable up to 25 mm² with ferrule adaptable Not for Han-Modular® hinged frames!	1.5 ... 16	19 41 001 2600	19 41 001 2700	 
Han-Eco® Modular, PE Multiple ground connection, Up to 8 contacts 	0.5 ... 6 with cable shoe M4 (total max. 25 mm ²)	19 41 000 9999	19 41 000 9999	

Technical characteristics

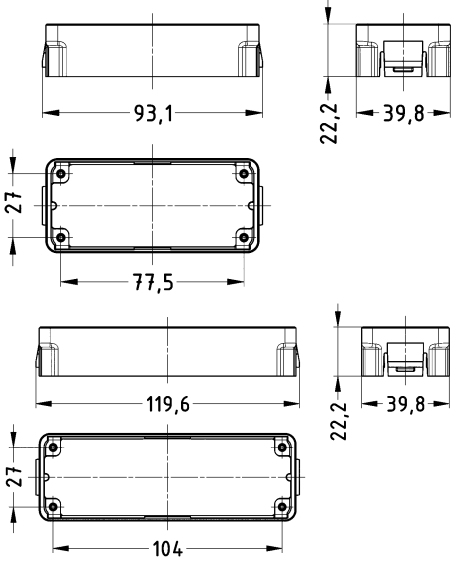
Material (accessories)

Polyamide (PA), Fibre-glass reinforced

Technical characteristics

Colour (accessories)
RoHS

RAL 9005 (jet black)
compliant with exemption,
compliant

Identification	Size	Part number	Drawing (dimensions in mm)
Han-Eco® B, Frame, for bulkhead mounted housings	06 B	19 43 006 0001	
	10 B	19 43 010 0001	
	16 B	19 43 016 0001	
	24 B	19 43 024 0001	

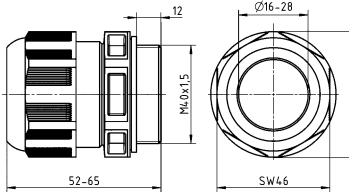
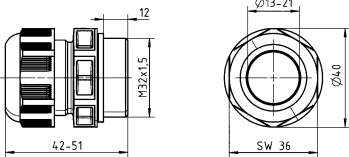
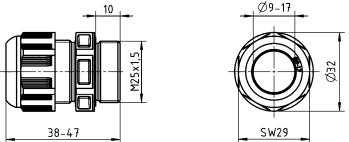
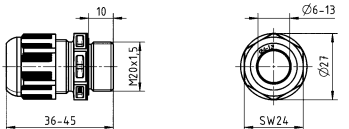
Han
Eco

Technical characteristics

Limiting temperature -40 ... +125 °C
Material (cable glands) Polyamide (PA)

Technical characteristics

Colour (accessories) RAL 9005 (jet black)
RoHS compliant

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)															
Han-Eco®, Cable gland	M20	6 ... 13	19 41 000 5111	Tightening torque <table><tr><th></th><th>Fitting</th><th>Cap nut</th></tr><tr><td>M20</td><td>4 Nm</td><td>3 Nm</td></tr><tr><td>M25</td><td>10 Nm</td><td>4 Nm</td></tr><tr><td>M32</td><td>15 Nm</td><td>4 Nm</td></tr><tr><td>M40</td><td>20 Nm</td><td>20 Nm</td></tr></table> 		Fitting	Cap nut	M20	4 Nm	3 Nm	M25	10 Nm	4 Nm	M32	15 Nm	4 Nm	M40	20 Nm	20 Nm
		Fitting	Cap nut																
	M20	4 Nm	3 Nm																
	M25	10 Nm	4 Nm																
	M32	15 Nm	4 Nm																
M40	20 Nm	20 Nm																	
M25	9 ... 17	19 41 000 5121																	
M32	13 ... 21	19 41 000 5131																	
M40	16 ... 28	19 41 000 5141																	
Han-Eco®, Reduction seal insert	M32	9 ... 14	19 41 000 5132																
	M40	12 ... 20	19 41 000 5142																

Technical characteristics

Material (seal) NBR

Technical characteristics

Colour (seal) Black
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
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Han-Eco® Modular,
Flange gasket



06 B	19 41 000 9801
10 B	19 41 000 9802
16 B	19 41 000 9803
24 B	19 41 000 9804

Han-Eco® A,
Flange gasket



10 A	19 46 000 9992
16 A	19 46 000 9993

Han-Eco® B,
Flange gasket



06 B	19 43 000 9801
10 B	19 43 000 9802
16 B	19 43 000 9803
24 B	19 43 000 9804

Han-Eco® Modular,
Profile gasket



06 B	19 41 000 9901
10 B	19 41 000 9902
16 B	19 41 000 9903
24 B	19 41 000 9904

Han-Eco® A,
Profile gasket



10 A	19 46 000 9996
16 A	19 46 000 9997

Han
Eco

Technical characteristics

Material (seal) FPM

Technical characteristics

Colour (seal) RAL 7001 (silver-grey)
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
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Han-Eco® Modular, Flange gasket,	06 B	19 41 000 9851	
	10 B	19 41 000 9852	
	16 B	19 41 000 9853	
	24 B	19 41 000 9854	



Han-Eco® Modular, Profile gasket,	06 B	19 41 000 9951	
	10 B	19 41 000 9952	
	16 B	19 41 000 9953	
	24 B	19 41 000 9954	



Double locking lever

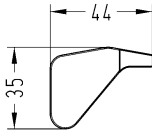
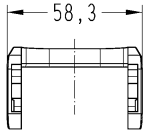
Han
Eco

Technical characteristics

Material (accessories) Polyamide (PA)

Technical characteristics

Colour (accessories) Black
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)	
Han-Eco® Modular, Locking levers	6/10/16/24 B	19 41 000 5201	 	
 Han-Eco® B, Locking levers	10/16/24 B	19 43 000 5221		
				

Single locking lever

Han
Eco

Technical characteristics

Material (accessories) Polyamide (PA)

Technical characteristics

Colour (accessories) Black
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
Han-Eco® A, Locking levers	10 A	19 46 000 5201	
	16 A	19 46 000 5202	
Han-Eco® B, Locking levers			
	06 B	19 43 000 5222	
	10 B	19 43 000 5228	
	16 B	19 43 000 5229	
	24 B	19 43 000 5230	