

EPIC®

INDUSTRIAL CONNECTORS GUIDE



Cables, accessories and connectors.
Everything from one source



Tel: 0208 758 7800
Email: sales@lapplimited.com
www.lappgroup.co.uk
www.lappgroup.ie

Introduction

Welcome to this updated product guide on the range of industrial connectors from the Lapp Group. We hope you find this a useful reference guide to the various series of connectors Lapp Group offer.

This guide is designed as a step-by-step process to ensure the correct connector is chosen for your exact application requirements.

The most important considerations for a heavy duty connector are its electrical characteristics, its mechanical characteristics and the materials from which it is manufactured. The heavy duty connector provides safe connection and disconnection of electrical power or signals within robust housings which are suitable for hostile environments (connectors should never be mated or unmated under load).

The construction of a rectangular connector can be selected specifically for a customer's requirement. EPIC industrial connectors from Lapp Group are made up of various components: Housings, inserts, contacts and glands.

The various components of the heavy duty rectangular connector are purchased individually and made up on a modular principle. A wide range of housing sizes and many options of inserts and contacts make it possible to design the ideal connector for each application.

This guide includes the most popular range of industrial connectors we stock, however if you cannot find what you require please visit our extensive website.

www.lappgroup.co.uk

Also all our connectors and glands are available as 3D/CAD drawings. To obtain the drawings in the CAD format you require visit our website and register on-line.

Lapp products are used in a wide variety of demanding industrial and commercial applications, including factory automation and robotics, materials handling, processing, packaging and building services.

As a manufacturer we ensure the end product is of the highest order. All of the cable, glands and connectors we sell have been tested to meet stringent quality and durability requirements prior to delivery. Such testing ensures reliability on site, making for cost effective installation.

With our extensive range of cables, glands and connectors, Lapp are in a great position to offer their customers assembled components to meet their requirements at competitive prices.

Whatever your application, you can be confident that the Lapp Group will have the solution.

Order Hotline 020 8758 7800

EPIC® Connectors Product Range

The various components of the heavy duty rectangular connector are purchased individually and made up on a modular principle. A wide range of housing sizes and many options of inserts and contacts make it possible to design the ideal connector for each application.

The following individual components have to be purchased in order to produce the complete rectangular connector.

1. Cable Gland

The cable gland provides a seal between the cable and the connector housing.

2. Hood

The connector housing for the cable entry

3. Male Insert

Types of contact termination

- Screw
- Crimp (stamped or machined)
- Cage Clamp

4. Female Insert

Types of contact termination

- Screw
- Crimp (stamped or machined)
- Cage Clamp

5. Base

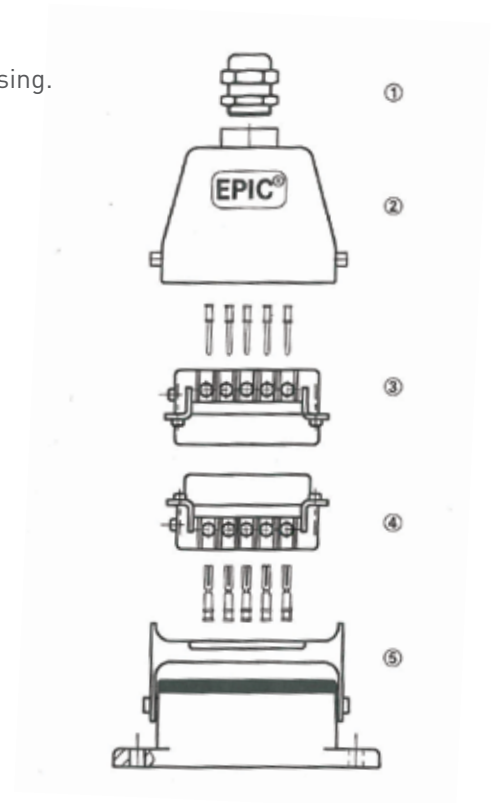
Panel mounting (cable entry through cut out in panel)

or

Surface mounting (cable entry through a gland into the side of the connector base)

or

Cable Connector Hood (cable to cable connection)



Contents

Rectangular Connectors

How to use this guide	1
Choose a series	2
Choose number of ways	3
Choose a Base	7
Choose a Hood	9

Technical Specification

Inserts

EPIC® H-3/4 Inserts	11
EPIC® H-10/16 Inserts	12
EPIC® H-32/48 Inserts	13
EPIC® STA Inserts	14
EPIC® H-Q5 Inserts	15
EPIC® H-D Inserts	16
EPIC® H-DD Inserts	17
EPIC® H-BE Inserts	19
EPIC® H-EE Inserts	23
EPIC® H-BS Inserts	25
EPIC® H-BVE High Voltage Inserts	27
EPIC® MC Modular Inserts	29

Technical Specification

Bases & Hoods

EPIC® Ultra	31
EPIC® H-A3 Bases	35
EPIC® H-A3 Hoods	36
EPIC® H-A10 Bases	37
EPIC® H-A10 Hoods	38

Technical Specification

Bases & Hoods

EPIC® H-A16 Bases	39
EPIC® H-A16 Hoods	40
EPIC® H-A32 Bases	41
EPIC® H-A32 Hoods	42
EPIC® H-B6 Bases	43
EPIC® H-B6 Hoods	44
EPIC® H-B10 Bases	45
EPIC® H-B10 Hoods	46
EPIC® H-B16 Bases	47
EPIC® H-B16 Hoods	48
EPIC® H-B24 Bases	51
EPIC® H-B24 Hoods	52
EPIC® H-B32 Bases	53
EPIC® H-B32 Hoods	54
EPIC® H-B48 Hoods	55
EPIC® H-B48 Bases	56

Circular Connectors

M23 Circular Connectors Selection	57
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Technical Specification

M23 Circular Bases	59
M23 Circular Housing	61
LS1 CIRCON	62

Accessories

D-SUB Stamped Contacts	64
H-D 1.6 Machined Contacts	65
H-BE 2.5 Machined Contacts	66
MC 3.6 Machined Contacts	67
Glands	68

How to use this Guide

To make the most out of our catalogue please follow the **5 steps** to find the product that you are looking for.

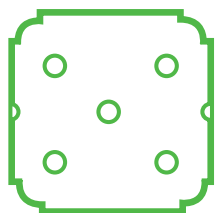
STEP 1



SERIES

Select the 'series' most suitable for your application from the chart and note the series and number of ways (e.g H-BE 16)

STEP 2



WAYS

From the chart on pages 3 and 6 locate the number of ways you have selected from the left hand column, and the series from the next column. By reading across nominate the Plug or Receptacle insert part numbers. (e.g 16 way H-BE=Plug 10194000 or Receptacle 10195000)

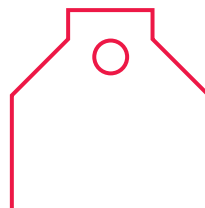
STEP 3



BASE

Go to page and column references shown in step 2 pages 3-6. Please take care to nominate a base with suitable number of studs to match the hood latching mechanism (or vice versa). Suitable gland sizing for the surface mount bases are shown in green.

STEP 4



HOOD

Go to page and column references shown in step 2 pages 3-6. Please take care to nominate a hood with suitable number of studs to match the hood latching mechanism (or vice versa). Suitable gland sizing for the hoods are shown in green.

STEP 5



GLAND

Select a cable gland from page 68, thread size shown in green against relevant hood or surface mount base in steps 3 & 4.

STEP
1

Choose a Series

Series	Voltage / Amperes	Number of contacts	Type of Termination	Wire Range	Protection Class With housings
H-BE	IEC:500V/16A UL: 600V/16A CSA: 600V/16A	6,10,16,24,32,48 Plus ground contact	screw, crimp, clamp terminations	Screw, cage clamp to 2.5mm ² crimp, (stamped) 0.5mm ² -2.5mm ² (Machined) 0.5mm ² -4.0mm ²	IP65 Insulation group C
H-BVE	IEC: 630V/16A UL: 600V/16A CSA: 600V/16A	3, 6, 10 plus ground and switch contacts	screw termination	Up to 2.5mm ²	IP65 Insulation group C
H-BS	IEC: 400V/ 35A UL: 600V/35A CSA: 600V/35A	6 and 12 plus ground contact	screw terminations	Up to 6.0mm	IP65 insulation group C
H-A	IEC: 400V/23A UL: 600V/10A CSA: 600V/10A	3, 4, 10, 16, 32, 48 plus ground contact	screw terminations	up to 2.5mm ² group B, C	IP54, H-A 3, 4 IP55, HA-10,16 IP65, H-A 32, 48 insulation
STA	IEC: 24V (AC)/ 60V (DC) / 7.5A UL: 48V / 7.5A CSA: 48V / 7.5A	6,14,20,40	screw, solder termination	Screw up to 1.5mm ² Solder up to 1.5mm ²	IP54, STA6,14, 20 IP65, STA40 Insulation group C
H-D	IEC:24V (AC)/60V (DC) metal housing; thermoplastic housing/10A UL: 250V/10A	7, 15, 25, 40, 50, 64, 80, 128 plus ground contact	crimp terminations	0.14mm ² - 2.5mm ²	IP54, H-D7 IP55, H-D15, 25 IP65, H-D40, 50, 64, 80, 128 Insulation group C
H-DD	IEC: 250V/10A UL: 600V/8.5A CSA: 600V/10A	24, 42, 72, 108 144, 216	crimp terminations	0.14mm ² - 2.5mm ²	IP65 Insulations group C
H-EE	IEC:500V/16A UL: 600V/16A CSA:600V/16A	10, 18, 32,46, 64, 92	crimp termination	0.5mm ² - 4.0mm ²	IP65
H-Q	IEC:230V/400V/ 16A UL: 600V/16A CSA: 600V/10A	5	crimp termination	0.5mm ² - 2.5mm ²	IP65
H-BVE	IEC: 630V/16A UL: 600V/16A CSA: 600V/16A	3, 6, 10 plus ground and switch contacts	screw termination	Up to 2.5mm ²	IP65 Insulation group C
TB-H-BE	IEC: 500V/16A UL: 600V/16A CSA: 600V/16A	16,24	screw termination	0.5mm ² - 4.0mm ²	IP65
MC Module	Modular system to allow power, data, signal and pneumatics to be used within one housing. See page 29 for full technical specification.				

STEP
2

Choose a No. of Ways



H-A

No Of Ways	Termination Type	Voltage (V)	Current (A)	Plug Insert Part No.	Receptacle Insert Part No.	Base Page & Column	Hood Page & Column
3 + PE	Screw	400	23	10420000	10421000	Page 7 Column A	Page 9 Column A
4 + PE	Screw	400	23	10431000	10432000	Page 7 Column A	Page 9 Column A
10 + PE	Screw	250	16	10440100	10441000	Page 7 Column B	Page 9 Column B
16 + PE	Screw	250	16	10530000	10531000	Page 7 Column C	Page 9 Column C
32 + PE	Screw	250	16	10530000(1-16) 10540000(17-32)	10531000(1-16) 10541000(17-32)	Page 7 Column D	Page 9 Column D

STA

6	Screw	24AC / 60DC	10	10488100 (spring)	10486100 (pin)	Page 7 Column A	Page 9 Column A
6	Solder	24AC / 60DC	10	10485200 (spring)	10487200 (pin)	Page 7 Column A	Page 9 Column A
14	Screw	24AC / 60DC	10	10493100 (spring)	10491100 (pin)	Page 7 Column B	Page 9 Column B
14	Solder	24AC / 60DC	10	10492200 (spring)	10490200 (pin)	Page 7 Column B	Page 9 Column B
20	Screw	24AC / 60DC	10	10503100 (spring)	10501100 (pin)	Page 7 Column C	Page 9 Column C
20	Solder	24AC / 60DC	10	10502200 (spring)	10500200 (pin)	Page 7 Column C	Page 9 Column C

H-Q

5 + PE	Crimp	230 / 400	16	10431500 (m)	10432500 (m)	Page 7 Column A	Page 9 Column A
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H-D

7 + PE	Crimp	24AC / 60DC	10	11250500 (m)	11251500 (m)	Page 7 Column A	Page 9 Column A
8	Crimp	250	10	11252500 (m)	11253500 (m)	Page 7 Column A	Page 9 Column A
15 + PE	Crimp	250	10	11283200 (m)	11282200 (m)	Page 7 Column B	Page 9 Column B
25 + PE	Crimp	250	10	11283300 (m)	11282300 (m)	Page 7 Column C	Page 9 Column C
40 + PE	Crimp	250	10	11265200 (m)	11266200 (m)	Page 8 Column C	Page 10 Column C
64 + PE	Crimp	250	10	11272000 (m)	11273000 (m)	Page 8 Column D	Page 10 Column D

H-DD

No Of Ways	Termination Type	Voltage (V)	Current (A)	Plug Insert Part No.	Receptacle Insert Part No.	Base Page & Column	Hood Page & Column
24 + PE	Crimp	250	10	11285000 (m)	11286000 (m)	Page 8 Column A	Page 10 Column A
42 + PE	Crimp	250	10	11285100 (m)	11286100 (m)	Page 8 Column B	Page 10 Column B
72 + PE	Crimp	250	10	11285200 (m)	11286200 (m)	Page 8 Column C	Page 10 Column C
108 + PE	Crimp	250	10	11285300 (m)	11286300 (m)	Page 8 Column D	Page 10 Column D
144 + PE	Crimp	250	10	11285400 (m)	11286400 (m)	Page 8 Column E	Page 10 Column E
216 + PE	Crimp	250	10	11285500 (m)	11286500 (m)	Page 8 Column F	Page 10 Column F

H-BE

6 + PE	Screw Crimp Cage Clamp	500	16	10190000 10180000 (m) 10400000	10191000 10181000 (m) 10401000	Page 8 Column A	Page 10 Column A
10 + PE	Screw Crimp Cage Clamp	500	16	10192000 10182000 (m) 10400100	10193000 10183000 (m) 10401100	Page 8 Column B	Page 10 Column B
16 + PE	Screw Crimp Cage Clamp	500	16	10194000 10184000 (m) 10400200	10195000 10185000 (m) 10401200	Page 8 Column C	Page 10 Column C
24 + PE	Screw Crimp Cage Clamp	500	16	10196000 10186000 (m) 10400300	10197000 10187000 (m) 10401300	Page 8 Column D	Page 10 Column D
32 + PE	Screw Crimp Cage Clamp	500	16	10194000(1-16) 10202000(17-32) 10184000(1-16)m 10184200(17-32)m 10400200(1-16) 10400400(17-32)	10195000(1-16) 10203000(17-32) 10185000(1-16)m 10185200(17-32)m 10401200(1-16) 10401400(17-32)	Page 8 Column E	Page 10 Column E
48 + PE	Screw Crimp Cage Clamp	500	16	10196000(1-24) 10204000(25-48) 10186000(1-24)m 10186200(25-48)m 10400300(1-24) 10400500(25-48)	10197000(1-24) 10205000(25-48) 10187000(1-24)m 10187200(25-48)m 10401300(1-24) 10401500(25-48)	Page 8 Column F	Page 10 Column F

Choose a No. of Ways

H-EE

No Of Ways	Termination Type	Voltage (V)	Current (A)	Plug Insert Part No.	Receptacle Insert Part No.	Base Page & Column	Hood Page & Column
10 + PE	Crimp	500	16	10180400 (m)	10181400 (m)	Page 8 Column A	Page 10 Column A
18 + PE	Crimp	500	16	10182400 (m)	10183400 (m)	Page 8 Column B	Page 10 Column B
32 + PE	Crimp	500	16	10184400 (m)	10185400 (m)	Page 8 Column C	Page 10 Column C
46 + PE	Crimp	500	16	10186400 (m)	10187400 (m)	Page 8 Column D	Page 10 Column D
64 + PE	Crimp	500	16	10184400 (m) 10184500 (m)	10185400 (m) 10185500 (m)	Page 8 Column E	Page 10 Column E
92 + PE	Crimp	500	16	10186400(1-46)m 10186500(47-92)m	10187400(1-46)m 10187500(47-92)m	Page 8 Column F	Page 10 Column F

H-EE

6 + PE	Screw	400	35	10170000	10171000	Page 8 Column C	Page 10 Column C
12 + PE	Screw	400	35	10171600	10170600	Page 9 Column E	Page 10 Column E

H-BVE

3 + 2 + PE	Screw	630	16	10210010	10211010	Page 8 Column B	Page 10 Column B
6 + 2 + PE	Screw	630	16	10239010	10240010	Page 8 Column C	Page 10 Column C
10 + 2 + PE	Screw	630	16	10270010	10271010	Page 8 Column D	Page 10 Column D

TB-H-BE

No Of Ways	Termination Type	Voltage (V)	Current (A)	Plug Insert Part No.	Receptacle Insert Part No.	Base Page & Column	Hood Page & Column
16 + PE	Screw	500	16		70315100 (R)	SEE PAGE 28 FOR MOUNTING DIMENSIONS	
24 + PE	Screw	500	16		70314100 (L)		
40 + PE	Screw	250	10		70317100 (R) 70316100 (L)		

Modules

1 + PE	Screw	1000	82	10344600	10345600	SEE PAGE 29 FOR FRAME AND HOUSING DIMENSIONS	
2	Screw	1000	82	10344100	10345100		
3	Crimp	1000	50	10399800	10399900		
4 + PE	Crimp	1000	16	10383200	10383300		
3	Crimp	630	40	10382000	10382100		
4	Crimp	630	25	10399000	10399100		
4	Cage Clamp	400	14	10399600	10399700		
5	Crimp	400	20	10382200	10382300		
3	Solder	250		10399200	10399300		
2 + Shield	Screw	30	1	10390400	10390500		
4 + Shield	Screw	30	1	10390600	10390700		
8 + 4	Crimp	125/600	1.5/10	10344300	10345300		

Bases: STA, H-D & H-A

STEP
3

Choose a Base



Current/Voltage/Series	Column A	Column B	Column C	Column D
	Number of Contacts			
10A/48V STA	6	14	20	
10A/250V H-D	7	15	25	
16A(10A)/16V H-A	3/4	10	16	32

 Panel Mount Base Single Lever		10442000	10462000	
 Surface Mount Base Single Lever		10448100 PG 16 10448000 PG 21 10450100 PG 16X2	10567100 PG 16 10567000 PG 21 10568100 PG 16x2 10568000 PG 21x2	
 Dust cover with cord		10457500 (for bases above)	10469500 (for bases above)	
 Panel Mount Base Double Lever				10742000
 Surface Mount Base Double Lever				10474000 PG 21 10474100 PG 29 10482000 PG 21x2
 Panel Mount Base	10422000 (Plastic) 10422500 (Metal)			
 Side Entry Panel Base	10423000 (Plastic) 10423500 (Metal)			
 Surface Mount Base	19421900 (Plastic) M20 19424500 (Metal) M20			
 Dust cover with cord	10430400			



Gland sizes are represented in Green

Bases: H-D, H-BE, H-BS, H-DD & H-BVE

Current/Voltage/Series	Column A	Column B	Column C	Column D	Column E	Column F
	Number of Contacts					
10A/250V H-D			40	64	80	128
16A/600V H-BE	6	10	16	24	32	48
35A/600V H-BS			6		12	
10A/250V H-DD	24	42	72	108	144	216
16A/600V H-BVE		3	6	10		
16A/500V H-EE	10	18	32	46	64	92

 Panel Mount Base Single Lever	10003000 70250206 (EMC)	10032900	10072900	10102900		10161000
 Panel Mount Base Single Lever with Cover	10004000	10033900	10073900	10103900		10152000
 Surface Mount Base Single Lever	10005000 PG 16x1 10006000 PG 16x2 70250209 (EMC)	10034900 PG 16x1 10035900 PG 16x2	10074900 PG 21x1 10075900 PG21x2	10104900 PG 21 x1 10105900 PG 21x2		10165000 PG29x1 10165100 PG 36x1 10166000 PG29x2 10166100 PG36x2
 Panel Mount Base Double Lever		10032000 70250213 (EMC)	10072000 70250217 (EMC)	10102000	10132000	
 Surface Mount Base Double Lever		10034000 PG 16 10035000 PG 16x2 19034000 M20 19035000 M20x2	10074000 PG 21x1 10075000 PG 21x2 19074000 M25 19075000 M25x2	1014000 PG 21x1 10105000 PG 21x2 19104000 M25x1 19105000 M25x2	10137000 PG 29x1 10138000 PG29x2 19137000 M32x1 19138000 M32x2	
 Dust Cover	10015000	10047000	10087000	10118000		

Hoods: STA, H-D & H-A

STEP
4

Choose a Hood



Current/Voltage/Series	Column A	Column B	Column C	Column D
	Number of Contacts			
10A/48V STA	6	14	20	
10A/250V H-D	7	15	25	
16A(10A)/16V H-A	3/4	10	16	32

 Top Entry Hood Single Lever		10446000 PG 13.5 10446100 PG 16	10565000 PG 16 10565300 PG 21	
 Side Entry Hood Single Lever		10445000 PG 16 10445500 PG 21	10564000 PG 16 10564500 PG 21	
 Cable Coupler Hood Single Lever		10439000 PG 13.5 70450000 PG 16 10439500 PG 21	10563000 PG 16 10563200 PG 21	10588000 PG 21 10588500 PG 29
 Top Entry Hood Double Lever				10582000 PG 21 10583000 PG 29
 Side Entry Hood Double Lever				10576000 PG 21 10577000 PG 29
 Top Entry Hood	19426000 (Plastic) M20 10426500 (Metal) M20			
 Side Entry Hood	19247000 (Plastic) M20 19512300 (Metal) M20			
 Cable Coupler Hood	19429000 (Plastic) M20 19512900 (Metal) M20			



Gland sizes are represented in Green

Hoods: H-D, H-BE, H-BS, H-DD & H-BVE

Current/Voltage/Series	Column A	Column B	Column C	Column D	Column E	Column F
	Number of Contacts					
10A/250V H-D			40	64	80	128
16A/600V H-BE	6	10	16	24	32	48
35A/600V H-BS			6		12	
10A/250V H-DD	24	42	72	108	144	216
16A/600V H-BVE		3	6	10		
16A/500V H-EE	10	18	32	46	64	92

 Top Entry Hood Single Lever	10011000 PG 13.5 10021000 PG 16 70250202 (EMC)	10040900 PG 16 10040700 PG 21	10088090 PG 21 19080900 M25	10121900 PG 21 10111900 PG 29		10155000 PG 29 10156000 PG 36 10157000 PG 42
 Side Entry Hood Single Lever	10012000 PG 13.5 10022000 PG 16 70250205 (EMC)	10042900 PG 16 10042800 PG 21	10082900 PG 21 10092900 PG 29	10113900 PG 21 10123900 PG 29		10158000 PG 29 10159000 PG 36 10160000 PG 42
 Cable Coupler Hood	10014000 PG 13.5 10024000 PG 16	10046900 PG 16 70042200 PG 21	10086900 PG 21 19086900 M25	10127900 PG 21 10117900 PG 29		
 Top Entry Hood Double Lever		10040000 PG 16 10040100 PG 21	10080000 PG 21 10090000 PG 29 19080000 M25	10121000 PG 21 10111000 PG 29	10133000 PG 21 10134000 PG 29 10134300 PG 36	
 Side Entry Hood Double Lever		10042000 PG 16 10042100 PG 21 70250212 (EMC)	10082500 PG 16 10082000 PG 21 70250216 (EMC)	10113000 PG 21 10123000 PG 29 70250221 (EMC)	10135000 PG 21 10136000 PG 29 10136300 PG 36	
 Cable Coupler Hood		10046000 PG 16	10086000 PG 21 19086000 M25	10127000 PG 21 10117000 PG 29	10139000 PG 21 10139500 PG 29	
 Top Entry Hood with Latches		10041000 PG 16	10081000 PG 21	10122000 PG 21 10112000 PG 29	70205000 PG 29	
 Side Entry Hood with Latches		10045000 PG 16	10083000 PG 21	10114000 PG 21 10124000 PG 29	10136500 PG 21 10136600 PG 29	

EPIC® H-3/4 Inserts

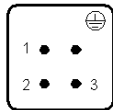
H-A inserts with screw termination up to 2.5 mm² wire cross section. The small H-A 3/4s are used wherever space is at a minimum. Screw termination with straight cable insertion from the rear.

No. Of Contacts	3, 4 + Ground Contact
Working Current	Max. 10A
Rating Voltage	IEC: 400V UL: 600V CSA: 600V
Test Voltage	4kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	1.5-4 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 2.5mm ²

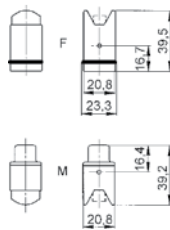
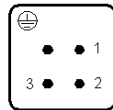
Part Number	Description	Version	Contacts
10420000	H-A 3 SS	Male	1-3
10421000	H-A 3 BS	Female	1-3
10431000	H-A 4 SS	Male	1-4
10432000	H-A 4 BS	Female	1-4



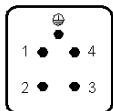
M



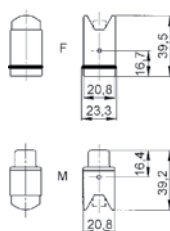
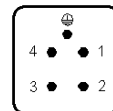
F



M



F

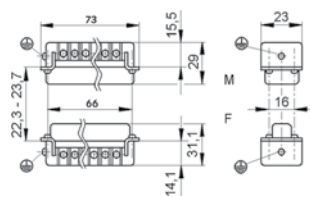
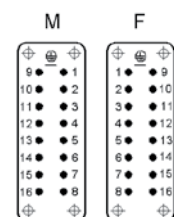
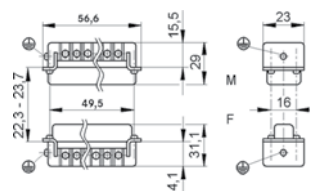
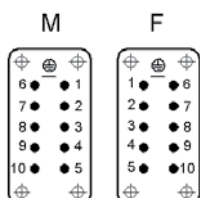


EPIC® H-10/16 Inserts

The proven EPIC® H-A 10 / 16 inserts for connection to machine and equipment for cross-sections of up to 2.5 mm² in compact housings. With wire protection on the screw termination to ensure a secure connection.

No. Of Contacts	10 + PE, 16 + PE
Working Current	IEC: 16A UL: 14A CSA: 16A
Rating Voltage	IEC: 250V UL: 600V CSA: 600V
Test Voltage	4kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	1.5-4 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 2.5mm ²

Part Number	Description	Version	Contacts
10440100	H-A 10 SS	Male	1-10
10441100	H-A 10 BS	Female	1-10
10530000	H-A 16 SS	Male	1-16
10533000	H-A 16 BS	Female	1-16



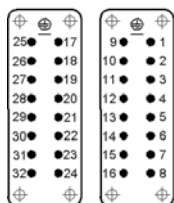
EPIC® H-32/48 Inserts

The proven EPIC® H-A 16 inserts are combined to allow 32 or 48 contacts within one housing. With wire protection on the screw termination to ensure a secure connection.

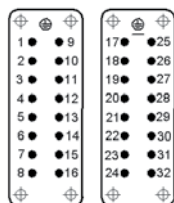
No. Of Contacts	16 + PE
Working Current	IEC: 16A UL: 14A CSA: 16A
Rating Voltage	IEC: 250V UL: 600V CSA: 600V
Test Voltage	4kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	1.5-4 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 2.5mm ²

Part Number	Description	Version	Contacts
10530000	H-A 16 SS	Male	1-16
10540000	H-A 16 SS	Male	17-32
10540100	H-A 16 SS	Male	33-48
10533000	H-A 16 BS	Female	1-16
10541000	H-A 16 BS	Female	17-32
10541100	H-A 16 BS	Female	33-48

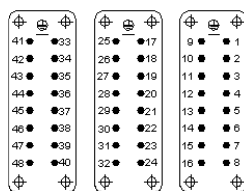
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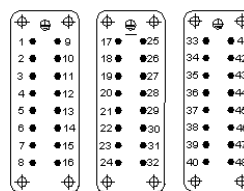
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M



F

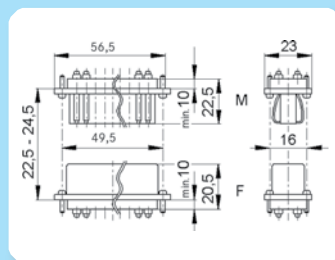
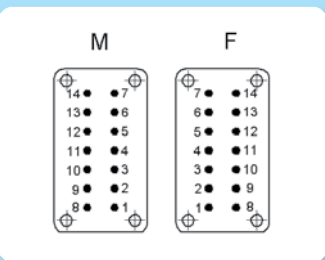
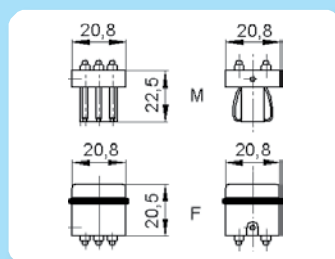
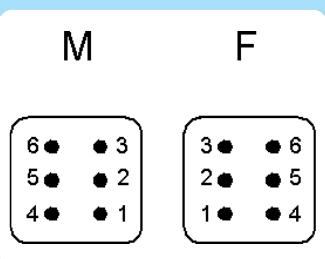


EPIC® STA Inserts

The EPIC® STA inserts offers a high density, low voltage connector configurations. The strong contact springs ensure a secure electrical connection. Available with either a screw or solder cable termination.

No. Of Contacts	6, 14 & 20
Working Current	IEC: 10A UL: 10A CSA: 10A
Rating Voltage	IEC: 24V UL: 48V CSA: 48V
Test Voltage	1kV
Contacts	Copper Alloy, tinned
Contact Resistance	$\leq 3 \text{ m}\Omega$
Temperature Range	-40°C to +80°C
Cable Size	Screw termination 0.5 - 1.5mm ² Solder termination up to 1.5mm ²

Part Number	Description	Version	Contacts	Termination
10486100	STA 6 SS	Male	1-6	Screw
10488100	STA 6 FS	Female	1-6	Screw
10485200	STA 6 SL	Male	1-6	Solder
10487200	STA 6 FL	Female	1-6	Solder
10491100	STA 14 SS	Male	1-14	Screw
10493100	STA 14 FS	Female	1-14	Screw
10490200	STA 14 SL	Male	1-14	Solder
10492200	STA 14 FL	Female	1-14	Solder
10501100	STA 20 SS	Male	1-20	Screw
10503100	STA 20 FS	Female	1-20	Screw
10500200	STA 20 SL	Male	1-20	Solder
10502200	STA 20 FL	Female	1-20	Solder



EPIC® H-Q5 Inserts

Small H-Q 5 inserts with machined crimp contacts up to 2.5 mm². With five working contacts with crimp technology and one PE contact with screw termination.

No. Of Contacts	5 + PE
Working Current	IEC: 16A UL: 16A CSA: 16A
Rating Voltage	IEC: 230V UL: 600V CSA: 600V
Test Voltage	4kV
Contacts	Copper Alloy, hard silver plated
Contact Resistance	≤ 2 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Crimp termination 0.5 - 2.5mm ²

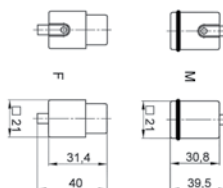
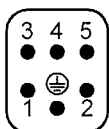
Part Number	Description	Version	Contacts
10431500	H-Q 5 SC	Male	1-5
10432500	H-Q 5 BC	Female	1-5



M



F



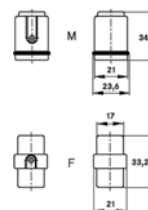
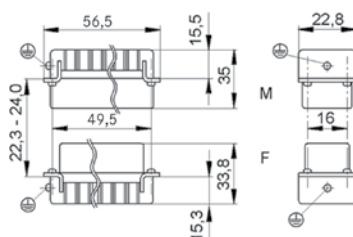
Insert are supplied without contacts, for all suitable contacts see page 66.

EPIC® H-D Inserts

H-D Inserts are designed for applications in which a larger number of contacts are required in a compact housing design.

No. Of Contacts	7 + PE, 8, 15 + PE, 25 + PE, 40 + PE, 64 + PE
Working Current	IEC: 10A UL: 10A
Rating Voltage	IEC: 250V UL: 250V
Test Voltage	2.5kV
Contacts	Copper Alloy, hard silver plated
Contact Resistance	$\leq 2 \text{ m}\Omega$
Temperature Range	-40°C to +100°C
Cable Size	Crimp termination 0.14 - 2.5mm ²

Part Number	Description	Version	Contacts
11250500	H-D 7 SCM	Male	1-7
11251500	H-D 7 BCM	Female	1-7
11252500	H-D 8 SCM	Male	1-8
11253500	H-D 8 BCM	Female	1-8
11283200	H-D 15 SCM	Male	1-15
11282200	H-D 15 BCM	Female	1-15
11283300	H-D 25 SCM	Male	1-25
11282300	H-D 25 BCM	Female	1-25
11265200	H-D 40 SCM	Male	1-40
11266200	H-D 40 BCM	Female	1-40
11272000	H-D 64 SCM	Male	1-64
11273000	H-D 64 BCM	Female	1-64



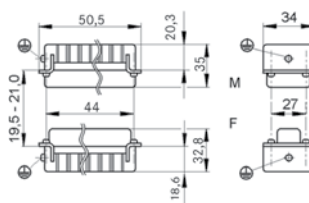
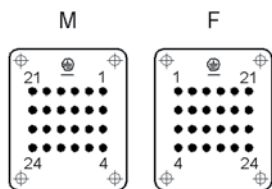
Insert are supplied without contacts, for all suitable contacts see page 65.

EPIC® H-DD Inserts

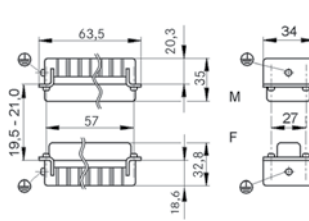
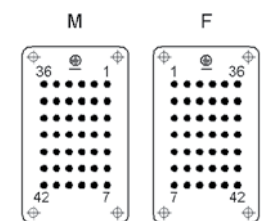
The H-DD series with machined contacts are designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

No. Of Contacts	24 + PE, 42 + PE, 72 + PE, 108 + PE, 144 + PE, 216 + PE
Working Current	IEC: 10A UL: 8.5A CSA: 10A
Rating Voltage	IEC: 250V UL: 600V CSA: 600V
Test Voltage	2.5kV
Contacts	Copper Alloy, hard silver plated
Contact Resistance	$\leq 3 \text{ m}\Omega$
Temperature Range	-40°C to +100°C
Cable Size	Crimp termination 0.14 - 2.5mm ²

Part Number	Description	Version	Contacts
H-DD 24			
11285000	H-DD 24 SCM	Male	1-24
11286000	H-DD 24 BCM	Female	1-24

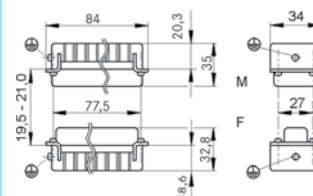
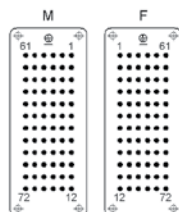


H-DD 42			
11285100	H-DD 42 SCM	Male	1-42
11286100	H-DD 42 BCM	Female	1-42

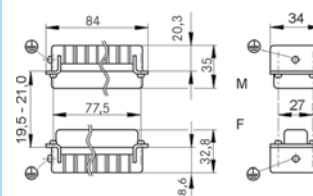
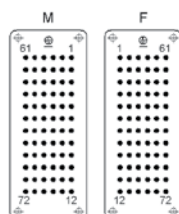


Insert are supplied without contacts, for all suitable contacts see page 65.

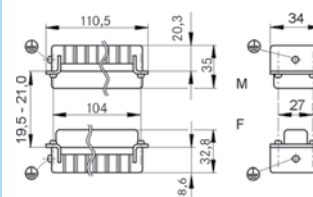
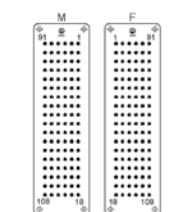
H-DD 72			
11285200	H-DD 72 SCM	Male	1-72
11286200	H-DD 72 BCM	Female	1-72



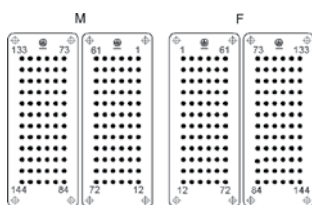
H-DD 108			
11285300	H-DD 108 SCM	Male	1-108
11286300	H-DD 108 BCM	Female	1-108



H-DD 144			
11285200	H-DD 72 SCM	Male	1-72
11285400	H-DD 72 SCM	Male	73-144
11286200	H-DD 72 BCM	Female	1-72
11286400	H-DD 72 BCM	Female	73-144



H-DD 216			
11285300	H-DD 108 SCM	Male	1-108
11285500	H-DD 108 SCM	Male	109-216
11286300	H-DD 108 BCM	Female	1-108
11286500	H-DD 108 BCM	Female	109-216

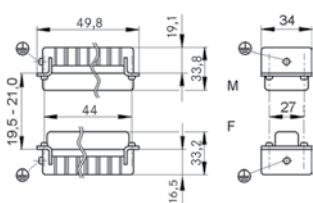


EPIC® H-BE Inserts

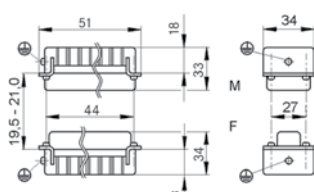
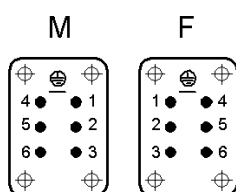
Standard inserts with screw, crimp and cage clamp termination. The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents.

No. Of Contacts	6+PE, 10+PE, 16+PE, 24+PE, 32+PE, 48+PE
Working Current	IEC: 16A UL: 16A CSA: 16A
Rating Voltage	IEC: 500V UL: 600V CSA: 600V
Test Voltage	6kV
Contacts	Copper Alloy, hard silver-plated/gold plated
Contact Resistance	Screw Termination: $\leq 2 \text{ m}\Omega$ Crimp Termination: $\leq 2 \text{ m}\Omega$ Cage Clamp: 1.4-4 m Ω
Temperature Range	-40°C to +100°C
Cable Size	Screw termination: 0.5 - 2.5mm ² Crimp Termination: 0.5 - 4mm ² Cage Clamp termination: 0.5 - 2.5mm ²

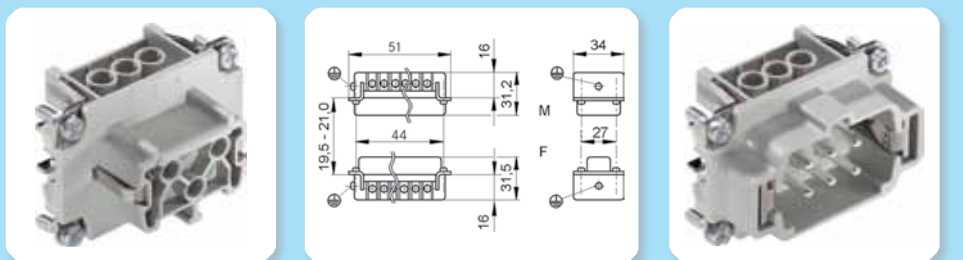
Part Number	Description	Version	Contacts	Termination
H-BE 6				
10190000	H-BE 6 SS	Male	1-6	Screw
10191000	H-BE 6 BS	Female	1-6	Screw
10180000	H-BE 6 SCM	Male	1-6	Crimp
10181000	H-BE 6 BCM	Female	1-6	Crimp
10400000	H-BE 6 SF	Male	1-6	Cage Clamp
10401000	H-BE 6 BF	Female	1-6	Cage Clamp



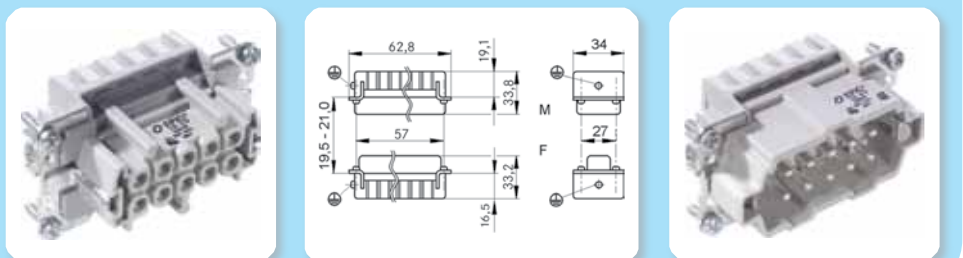
H-BE 10				
10192000	H-BE 10 SS	Male	1-10	Screw
10193000	H-BE 10 BS	Female	1-10	Screw
10182000	H-BE 10 SCM	Male	1-10	Crimp
10183000	H-BE 10 BCM	Female	1-10	Crimp
10400100	H-BE 10 SF	Male	1-10	Cage Clamp
10401100	H-BE 10 BF	Female	1-10	Cage Clamp



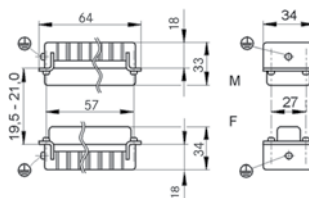
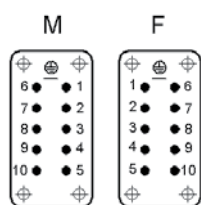
H-BE 16				
10194000	H-BE 16 SS	Male	1-16	Screw
10195000	H-BE 16 BS	Female	1-16	Screw
10184000	H-BE 16 SCM	Male	1-16	Crimp
10185000	H-BE 16 BCM	Female	1-16	Crimp
10400200	H-BE 16 SF	Male	1-16	Cage Clamp
10401200	H-BE 16 BF	Female	1-16	Cage Clamp



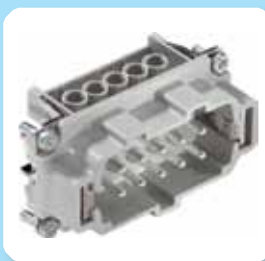
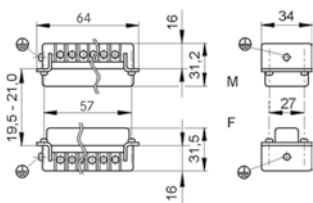
H-BE 24				
10196000	H-BE 24 SS	Male	1-24	Screw
10197000	H-BE 24 BS	Female	1-24	Screw
10186000	H-BE 24 SCM	Male	1-24	Crimp
10187000	H-BE 24 BCM	Female	1-24	Crimp
10400300	H-BE 24 SF	Male	1-24	Cage Clamp
10401300	H-BE 24 BF	Female	1-24	Cage Clamp



H-BE 32				
10194000	H-BE 16 SS	Male	1-16	Screw
10202000	H-BE 16 SS	Male	17-32	Screw
10195000	H-BE 16 BS	Female	1-16	Screw
10203000	H-BE 16 BS	Female	17-32	Screw
10184000	H-BE 16 SCM	Male	1-16	Crimp
10184200	H-BE 16 SCM	Male	17-32	Crimp
10185000	H-BE 16 BCM	Female	1-16	Crimp
10185200	H-BE 16 BCM	Female	17-32	Crimp
10400200	H-BE 16 SF	Male	1-16	Cage Clamp
10400400	H-BE 16 SF	Male	17-32	Cage Clamp
10401200	H-BE 16 BF	Female	1-16	Cage Clamp
10401400	H-BE 16 BF	Female	17-32	Cage Clamp



H-BE 48				
10196000	H-BE 24 SS	Male	1-24	Screw
10204000	H-BE 24 SS	Male	25-48	Screw
10197000	H-BE 24 BS	Female	1-24	Screw
10205000	H-BE 24 BS	Female	25-48	Screw
10186000	H-BE 24 SCM	Male	1-24	Crimp
10186200	H-BE 24 SCM	Male	25-48	Crimp
10187000	H-BE 24 BCM	Female	1-24	Crimp
10187200	H-BE 24 BCM	Female	25-48	Crimp
10400300	H-BE 24 SF	Male	1-24	Cage Clamp
10400500	H-BE 24 SF	Male	25-48	Cage Clamp
10401300	H-BE 24 BF	Female	1-24	Cage Clamp
10401500	H-BE 24 BF	Female	25-48	Cage Clamp



Please note that the crimp inserts are supplied without contacts. For all suitable contacts see page 66.

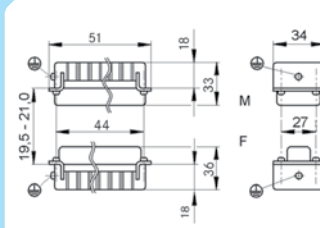
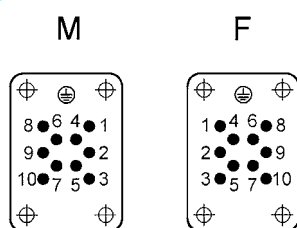


EPIC® H-EE Inserts

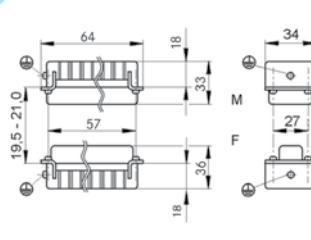
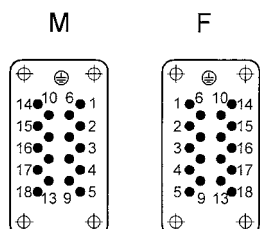
The H-EE inserts allow machined crimp contacts for a high number of pins in very tight spaces.

No. Of Contacts	10+PE, 18+PE, 32+PE, 46+PE, 64+PE, 92+PE
Working Current	IEC: 16A UL: 16A CSA: 16A
Rating Voltage	IEC: 500V UL: 600V CSA: 600V
Test Voltage	6kV
Contacts	Copper Alloy, hard silver plated/Gold plated
Contact Resistance	←2 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Crimp termination 0.5 - 4.0mm ²

Part Number	Description	Version	Contacts
H-EE 10			
10180400	H-EE 10 SC	Male	1-10
10181400	H-EE 10 BC	Female	1-10



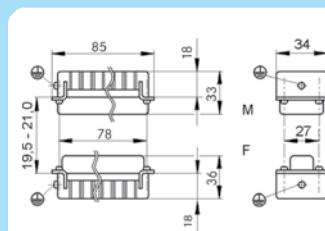
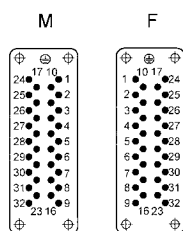
H-EE 18			
10182400	H-EE 18 SC	Male	1-18
10183400	H-EE 18 BC	Female	1-18



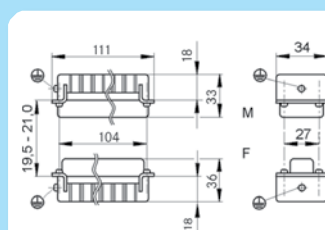
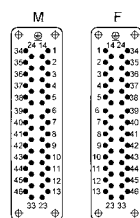
Insert are supplied without contacts, for all suitable contacts see page 66.

H-EE 32

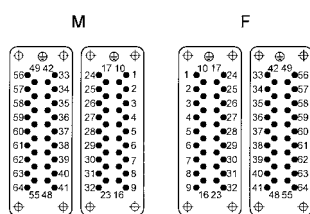
10184400	H-EE 32 SC	Male	1-32
10185400	H-EE 32 BC	Female	1-32

**H-EE 46**

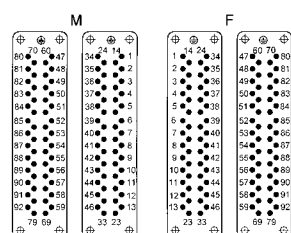
10186400	H-EE 46 SC	Male	1-46
10187400	H-EE 46 BC	Female	1-46

**H-EE 64**

10184400	H-EE 32 SC	Male	1-32
10184500	H-EE 32 SC	Male	33-64
10185400	H-EE 32 BC	Female	1-32
10185500	H-EE 32 BC	Female	33-64

**H-EE 92**

10186400	H-EE 46 SC	Male	1-46
10186500	H-EE 46 SC	Male	47-92
10187400	H-EE 46 BC	Female	1-46
10187500	H-EE 46 BC	Female	47-92

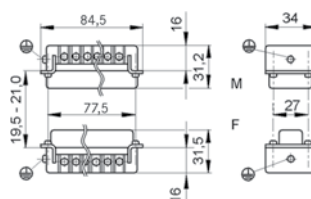
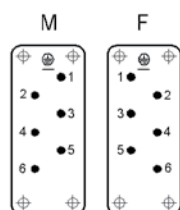


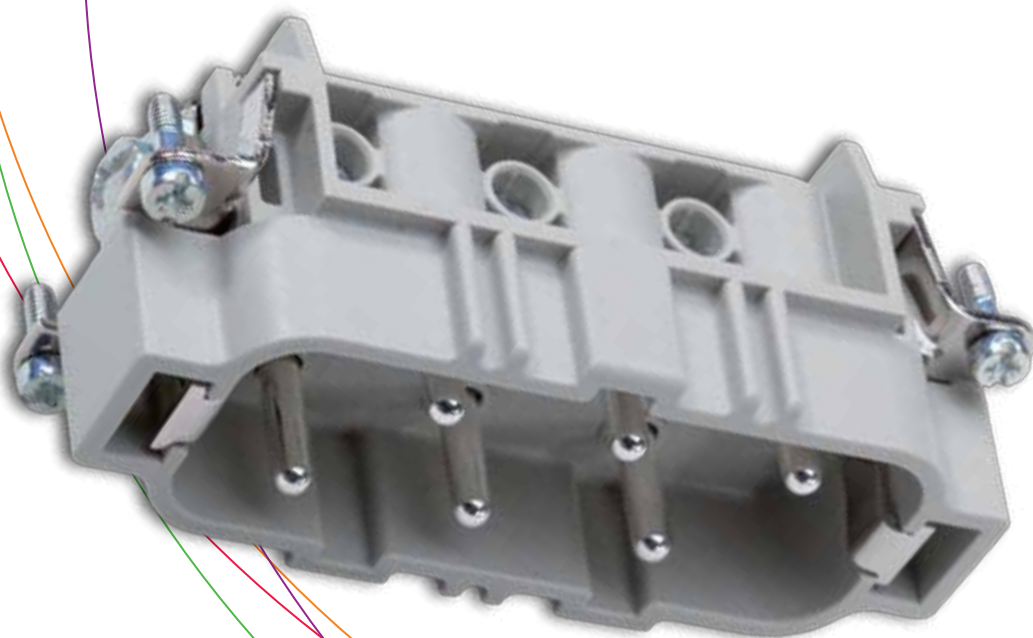
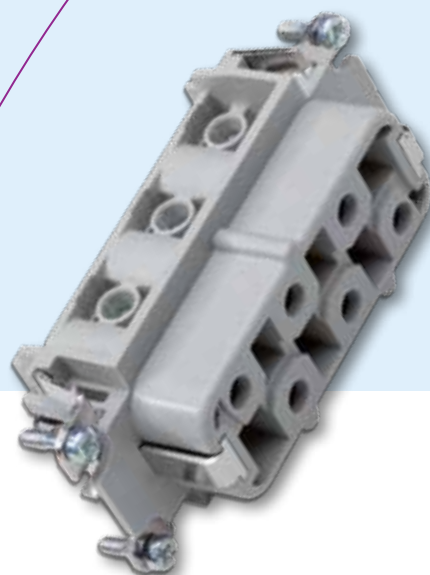
EPIC® H-BS High Current Inserts

6 or 12 way insert for currents up to 35 A. With screw termination up to a conductor cross section of 6 mm².

No. Of Contacts	6+PE, 12+PE
Working Current	IEC: 35A UL: 35A CSA: 35A
Rating Voltage	IEC: 500V UL: 600V CSA: 600V
Test Voltage	6kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	≤ 2 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 6mm ²

Part Number	Description	Version	Contacts
H-BS 6			
10170000	H-BS 6 SS	Male	1-6
10171000	H-BS 6 BS	Female	1-6
H-BS 12			
10170000	H-BS 6 SS	Male	1-6
10170600	H-BS 6 SS	Male	7-12
10171000	H-BS 6 BS	Female	1-6
10171600	H-BS 6 BS	Female	7-12



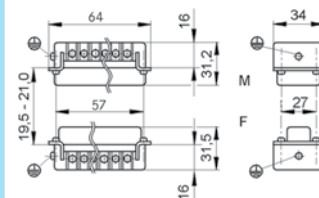
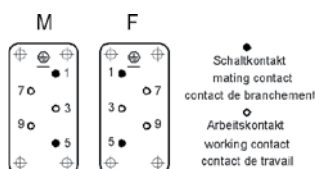


EPIC® H-BVE High Voltage Inserts

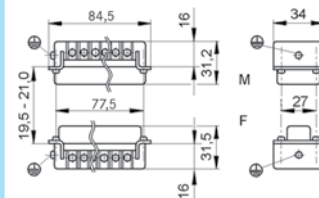
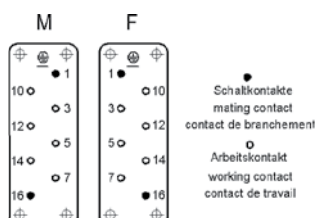
These high-voltage inserts are additionally equipped with 2 switching contacts. With the relevant wiring, the lagging switch contacts interrupt the power supply before the working contacts are separated.

No. Of Contacts	3+2+PE, 6+2+PE, 10+2+PE
Working Current	IEC: 16A UL: 16A CSA: 16A
Rating Voltage	IEC: 630V UL: 600V CSA: 600V
Test Voltage	6kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	$\leq 2 \text{ m}\Omega$
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 2.5mm ²

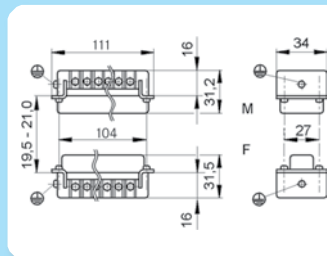
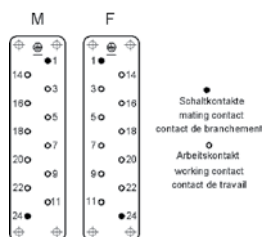
Part Number	Description	Version	Contacts
H-BVE 3			
10210010	H-BVE 3 SS	Male	3+2
10211010	H-BVE 3 BS	Female	3+2



H-BVE 6			
10239010	H-BVE 6 SS	Male	6+2
10240010	H-BVE 6 BS	Female	6+2



H-BVE 10			
10270010	H-BVE 10 SS	Male	10+2
10271010	H-BVE 10 BS	Female	10+2

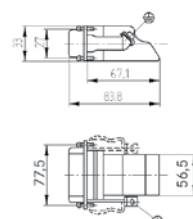
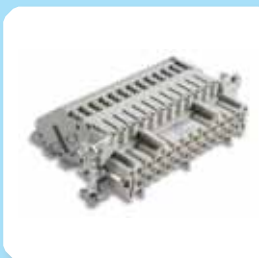
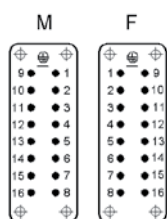


EPIC® TB-H-BE Terminal Adaptor

16 or 24 way female terminal adaptors for currents up to 16 A. For termination in control cabinets and pluggable with H-BE Male inserts in hoods.

No. Of Contacts	16+PE, 24+PE
Working Current	IEC: 16A UL: 16A CSA: 35A
Rating Voltage	IEC: 500V UL: 600V CSA: 600V
Test Voltage	6kV
Contacts	Copper Alloy, hard silver-plated
Contact Resistance	≤2 mΩ
Temperature Range	-40°C to +100°C
Cable Size	Screw termination 0.5 - 4mm ²

Part Number	Description	Version	Fastening	Contacts
TB-H-BE 16pin Terminal Adaptor				
70315100	TB-H-BE 16 BRE	Female	Right	1-16
70314100	TB-H-BE 16 BLI	Female	Left	1-16
TB-H-BE 24pin Terminal Adaptor				
70317100	TB-H-BE 24 BRE	Female	Right	1-24
10170600	TB-H-BE 24 BLI	Female	Left	1-24



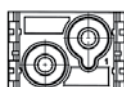
EPIC® MC Modular Inserts

A range of modules that allow for power and signal together in one housing. Modules are fitted into the corresponding frame and then screw into chosen housing.

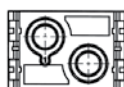
Part Number	Description	Version	Voltage (V)	Current (A)	Contacts
Power Modules					
10344600	MCS-HC 1+PE	Male	1000 V	82 A	1 + PE
10345600	MCB-HC 1+PE	Female	1000 V	82 A	1 + PE
10344100	MCS-HC 2	Male	1000 V	82 A	2
10345100	MCB-HC 2	Female	1000 V	82 A	2
10399800	MCS 3 CM-HV	Male	1000 V	50 A	3
10399900	MCB 3 CM-HV	Female	1000 V	50 A	3
10383200	MCS 5 CG	Male	1000 V	16 A	4 + PE
10383300	MCS 5 CG	Female	1000 V	16 A	4 + PE
10382000	MCS 3 CM	Male	630 V	40 A	3
10382100	MCB 3 CM	Female	630 V	40 A	3
10399000	MCS 4 CM	Male	630 V	25 A	4
10399100	MCB 4 CM	Female	630 V	25 A	4
10399600	MCS 4 F	Male	400 V	14 A	4
10399700	MCB 4 F	Female	400 V	14 A	4
10382200	MCS 5 CM	Male	400 V	20 A	5
10382300	MCB 5 CM	Female	400 V	20 A	5



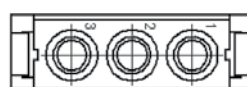
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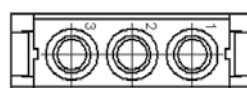
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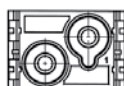
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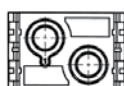
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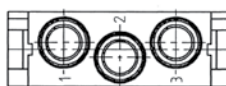
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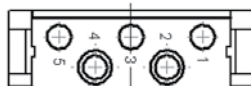
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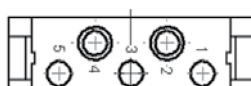
F



M



F

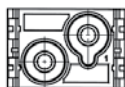


Data & Signal Modules

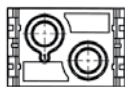
10399200	MCS 3 CO-AX	Male	250 V	-	3 co-ax
10399300	MCB 3 CO-AX	Female	250 V	-	3 co-ax
10390400	Porfibus DP Module	Male	30 V	1 A	2 + Shield
10390500	Porfibus DP Module	Female	30 V	1 A	2 + Shield
10390600	Universal Bus Module	Male	30 V	1 A	4 + Shield
10390700	Universal Bus Module	Female	30 V	1 A	4 + Shield
10344300	RJ 45 + 4 Power	Male	600 V Power / 125 V RJ 45	10 A / 1.5 A	4 Power + 8 Data
10345300	RJ 45 + 4 Power	Female	600 V Power / 125 V RJ 45	10 A / 1.5 A	4 Power + 8 Data



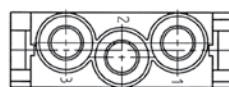
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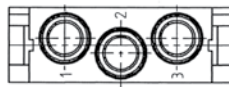
F



M



F



Part Number	Description	Version	Number of Modules	Housing to Suit
Frames				
10381000	MCR 6 Frame	Male	2	H-B 6
10381100	MCR 6 Frame	Female	2	H-B 6
10381200	MCR 10 Frame	Male	3	H-B 10
10381300	MCR 10 Frame	Female	3	H-B 10
10381400	MCR 16 Frame	Male	5	H-B 16
10381500	MCR 16 Frame	Female	5	H-B 16
10381600	MCR 24 Frame	Male	7	H-B 24
10381700	MCR 24 Frame	Female	7	H-B 24



EPIC® Ultra

The Epic Ultra is the ultimate connector, with its modern design and robust make-up it is the perfect solution for the harshest environment. Designed with a Nickel Plated Zinc Die Cast to provide corrosion, impact and scratch resistance, makes the Ultra ideal for Offshore Wind Turbines and Construction Machinery areas.

Features and Benefits

• EMC Housing	• Anti corrosion, impact and scratch resistant	• No need for additional parts, faster installation
• Space Saving	• 360° Optimal Screen, acts as a Faraday cage	• Nickel Plated Zinc Die-Cast
• Compact Design	• Integrated gland as standard	• IP65 Rated

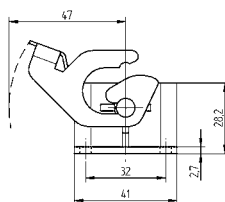
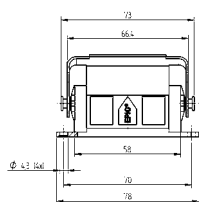
Compatible Inserts

H-BE (cage clamp/screw and crimp termination)
HEE
HDD
Modular Contact Range

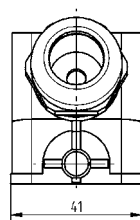
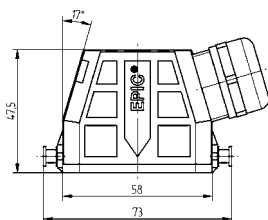
Part Number	Description	Cable Clamping Range (mm)
HB-6		
70250202	Top Entry Hood with Brush Gland integrated, Single Lever	9 - 17
70250205	Side Entry Hood with Brush Gland integrated, Single Lever	9 - 17
70250206	Panel Mount Base, Single Lever	
70250209	Surface Mount Base with Brush Gland integrated, Single Lever	9 - 17



Panel mount base single lever



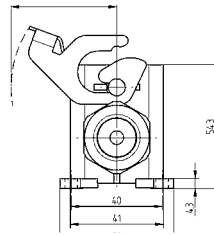
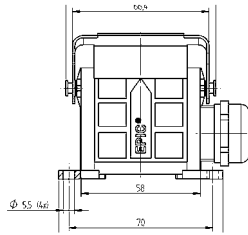
Side entry hood with brush gland integrated, single lever



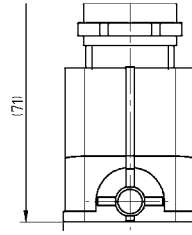
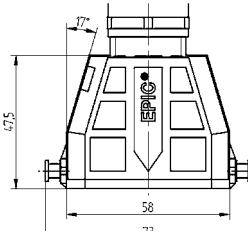
The connectors nickel coated shell acts a Faraday cage making it completely EMC resistant; perfect for Servo Drive, EMC Critical and Sensitive Bus Data signal environments.



Surface mount base with brush gland integrated single lever



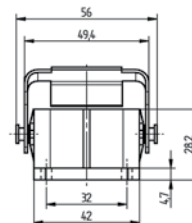
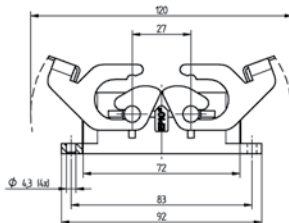
Top entry hood with brush gland integrated single lever



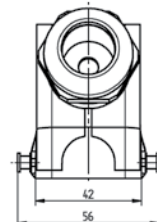
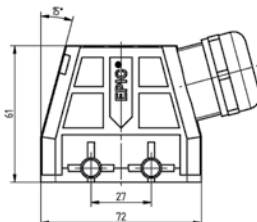
Part Number	Description	Cable Clamping Range (mm)
HB-10		
70250212	Side Entry Hood with Brush Gland integrated, Double Lever	11 - 21
70250213	Panel Mount Base, Double Lever	



Panel mount base double lever



Side entry hood double lever

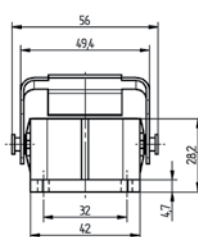
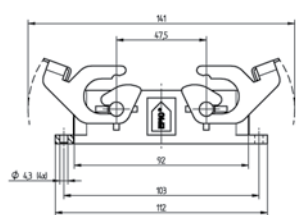


EPIC® Ultra

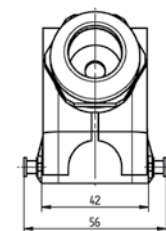
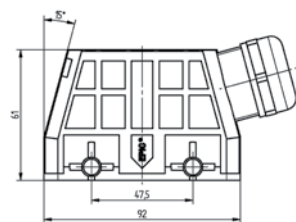
Part Number	Description	Cable Clamping Range (mm)
H-B 16		
70250216	Side Entry Hood with Brush Gland integrated, Double Lever	11 - 21
70250217	Panel Mount Base, Double Lever	



Panel mount base double lever



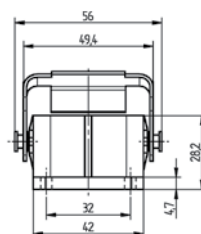
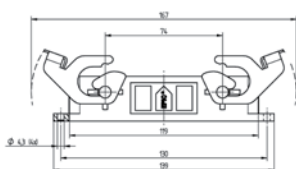
Side entry hood double lever



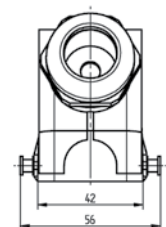
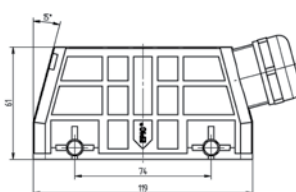
Part Number	Description	Cable Clamping Range (mm)
H-B 16		
70250216	Side Entry Hood with Brush Gland integrated, Double Lever	11 - 21
70250217	Panel Mount Base, Double Lever	
H-B 24		
70250221	Side Entry Hood with Brush Gland integrated, Double Lever	11 - 21
70250222	Panel Mount Base, Double Lever	



Panel mount base double lever



Side entry hood double lever





EPIC® H-A3 Bases

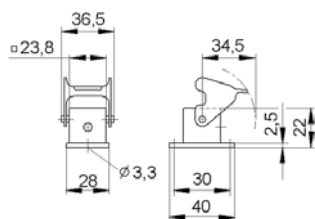
H-A 3 bases in plastic or metal versions. For power supply in areas where space is a minimum.

Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

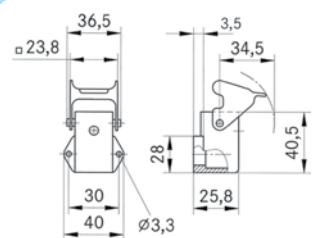
Part Number	Description	Thread Entry	Material	Colour
10422000	H-A 3 Panel Mount Base		Thermoplastic	Grey
10422500	H-A 3 Panel Mount Base		Zinc Die-cast	Grey
10423000	H-A 3 Side Entry Panel Mount Base		Thermoplastic	Grey
10423500	H-A 3 Side Entry Panel Mount Base		Zinc Die-cast	Grey
19421900	H-A 3 Surface Mount Base	M20	Thermoplastic	Grey
19424500	H-A 3 Surface Mount Base	M20	Zinc Die-cast	Grey



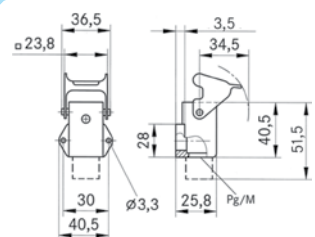
Panel mount base



Side entry panel mount base



Surface mount base



EPIC® H-A3 Hoods

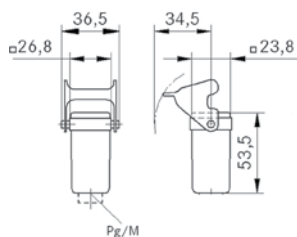
H-A 3 Hoods in plastic or metal versions. For power supply in areas where space is a minimum.

Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

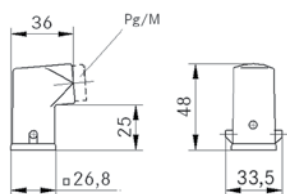
Part Number	Description	Thread Entry	Material	Colour
19426000	H-A 3 Top Entry Hood	M20	Thermoplastic	Grey
10426500	H-A 3 Top Entry Hood	M20	Zinc Die-cast	Grey
19247000	H-A 3 Side Entry Hood	M20	Thermoplastic	Grey
19512300	H-A 3 Side Entry Hood	M20	Zinc Die-cast	Grey
19429000	H-A 3 Cable Coupler Hood	M20	Thermoplastic	Grey
19512900	H-A 3 Cable Coupler Hood	M20	Zinc Die-cast	Grey



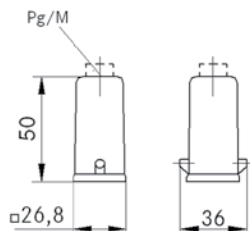
Top entry hood



Side entry hood



Cable coupler hood



EPIC® H-A10 Bases

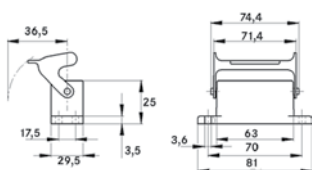
H-A 10 bases are small and compact for applications for areas where the space is narrow.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

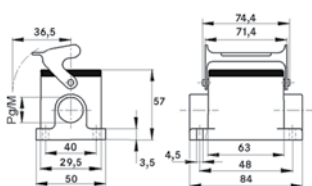
Part Number	Description	Thread Entry
10442000	H-A 10 Panel Mount Base, Single Lever	
10448100	H-A 10 Surface Mount Base, Single Lever	PG 16
10448000	H-A 10 Surface Mount Base, Single Lever	PG 21
10450100	H-A 10 Surface Mount Base, Single Lever	2 x PG 16



Panel mount base



Surface mount base



EPIC® H-A10 Hoods

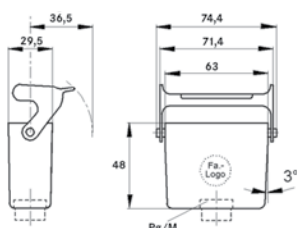
H-A 10 Hoods are small and compact for applications for areas where the space is narrow.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

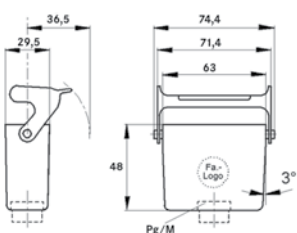
Part Number	Description	Thread Entry
10446000	H-A 10 Top Entry Hood, Single Lever	PG 13.5
10446100	H-A 10 Top Entry Hood, Single Lever	PG 16
10445000	H-A 10 Side Entry Hood, Single Lever	PG 16
10445500	H-A 10 Side Entry Hood, Single Lever	PG 21
10439000	H-A 10 Cable Coupler Hood	PG 13.5
70450000	H-A 10 Cable Coupler Hood	PG 16



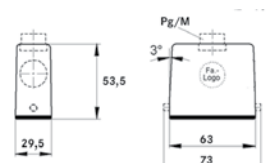
Top entry hood



Side entry hood



Cable coupler hood



EPIC® H-A16 Bases

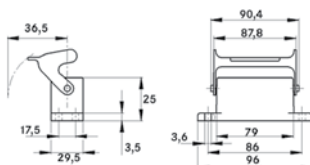
H-A 16 Bases are small and compact for applications with a high number of contacts.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

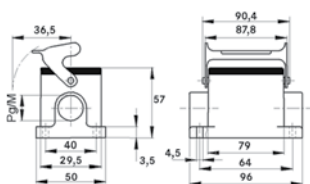
Part Number	Description	Thread Entry
10462000	H-A 16 Panel Mount Base, Single Lever	
10567100	H-A 16 Surface Mount Base, Single Lever	PG 16
10567000	H-A 16 Surface Mount Base, Single Lever	PG 21
10568100	H-A 16 Surface Mount Base, Single Lever	2 x PG 16
10568000	H-A 16 Surface Mount Base, Single Lever	2 x PG 21



Panel mount base



Surface mount base



EPIC® H-A16 Hoods

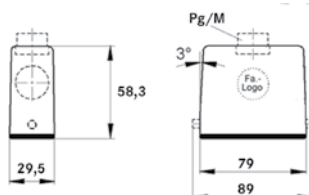
H-A 16 Hoods are small and compact for applications with a high number of contacts.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

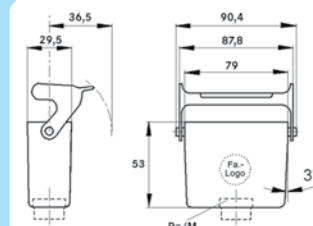
Part Number	Description	Thread Entry
10565000	H-A 16 Top Entry Hood, Single Lever	PG 16
10565300	H-A 16 Top Entry Hood, Single Lever	PG 21
10564000	H-A 16 Side Entry Hood, Single Lever	PG 16
10564500	H-A 16 Side Entry Hood, Single Lever	PG 21
10563000	H-A 16 Cable Coupler Hood	PG 16
10563200	H-A 16 Cable Coupler Hood	PG 21



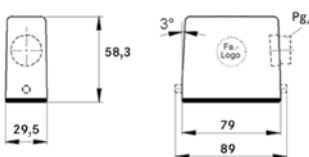
Top entry hood



Cable coupler hood



Side entry hood



EPIC® H-A32 Bases

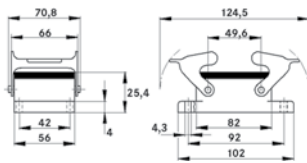
H-A 32 Bases can accommodate 2 inserts from the smaller sizes of the HA, H-D and STA series. With double lever latching to ensure a secure connection.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

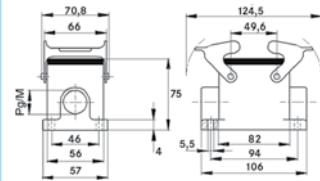
Part Number	Description	Thread Entry
10742000	H-A 32 Panel Mount Base, Double Lever	
10474000	H-A 32 Surface Mount Base, Double Lever	PG 21
10474100	H-A 32 Surface Mount Base, Double Lever	PG 29
10482000	H-A 32 Surface Mount Base, Double Lever	2 x PG 21



Surface mount base



Panel mount base



EPIC® H-A32 Hoods

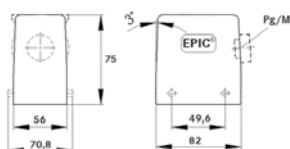
H-A 32 Hoods can accommodate 2 inserts from the smaller sizes of the HA, H-D and STA series. With double lever latching to ensure a secure connection.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

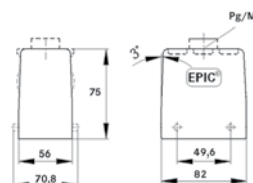
Part Number	Description	Thread Entry
10582000	H-A 32 Top Entry Hood, Double Lever	PG 21
10583000	H-A 32 Top Entry Hood, Double Lever	PG 29
10576000	H-A 32 Side Entry Hood, Double Lever	PG 21
10577000	H-A 32 Side Entry Hood, Double Lever	PG 29
10588000	H-A 32 Cable Coupler Hood	PG 21
10588500	H-A 32 Cable Coupler Hood	PG 29



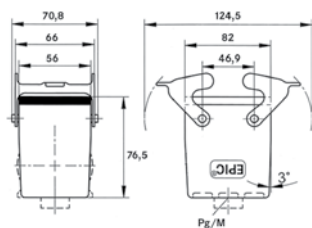
Side entry hood



Top entry hood



Cable coupler hood



EPIC® H-B 6 Bases

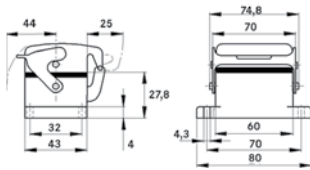
H-B 6 Bases are the smallest housing in the range, for inserts with high electrical properties.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

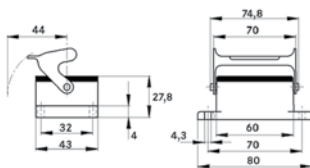
Part Number	Description	Thread Entry
10003000	H-B 6 Panel Mount Base, Single Lever	
10004000	H-B 6 Panel Mount Base, Single Lever & Cover	
10005000	H-B 6 Surface Mount Base, Single Lever	PG 16
10006000	H-B 6 Surface Mount Base, Single Lever	2 x PG 16



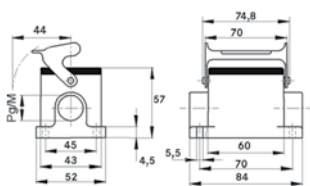
Panel mount base with cover



Panel mount base



Surface mount base



EPIC® H-B 6 Hoods

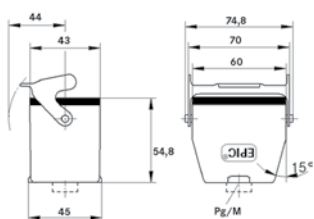
H-B 6 Hoods are the smallest housing in the range, for inserts with high electrical properties.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

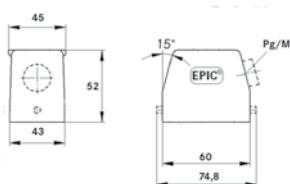
Part Number	Description	Thread Entry
10011000	H-B 6 Top Entry Hood, Single Lever	PG 13.5
10021000	H-B 6 Top Entry Hood, Single Lever	PG 16
10012000	H-B 6 Side Entry Hood, Single Lever	PG 13.5
10022000	H-B 6 Side Entry Hood, Single Lever	PG 16
10014000	H-A 16 Cable Coupler Hood	PG 13.5
10024000	H-A 16 Cable Coupler Hood	PG 16



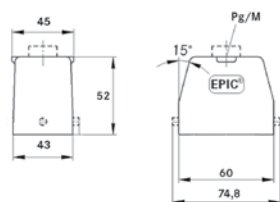
Cable coupler hood



Side entry hood



Top entry hood



EPIC® H-B 10 Bases

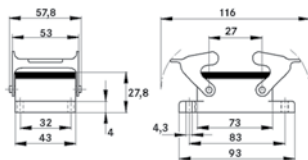
H-B 10 Bases are the smallest housing in the range with both single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

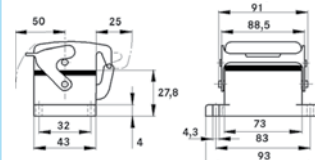
Part Number	Description	Thread Entry
10032900	H-B 10 Panel Mount Base, Single Lever	
10033900	H-B 10 Panel Mount Base, Single Lever & Cover	
10034900	H-B 10 Surface Mount Base, Single Lever	PG 16
10035900	H-B 10 Surface Mount Base, Single Lever	2 x PG 16
10032000	H-B 10 Panel Mount Base, Double Lever	
10034000	H-B 10 Surface Mount Base, Double Lever	PG 16
10035000	H-B 10 Surface Mount Base, Double Lever	2 x PG 16
19034000	H-B 10 Surface Mount Base, Double Lever	M 20
19035000	H-B 10 Surface Mount Base, Double Lever	2 x M 20



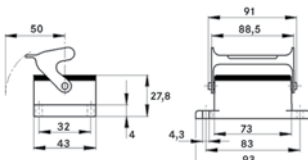
Panel mount base double lever



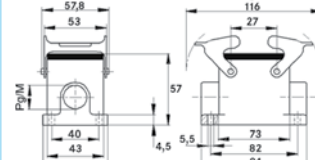
Panel mount base single lever and cover



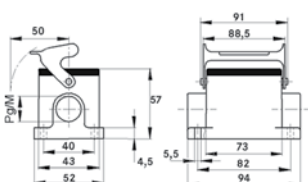
Panel mount base single lever



Surface mount base double lever



Surface mount base single lever



EPIC® H-B 10 Hoods

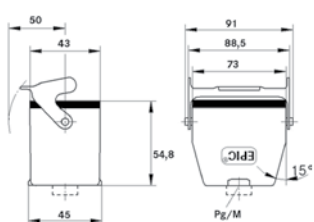
H-B 10 Hoods are the smallest housing in the range with both single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

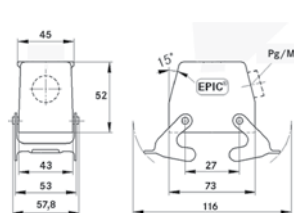
Part Number	Description	Thread Entry
10040900	H-B 10 Top Entry Hood, Single Lever	PG 16
10040700	H-B 10 Top Entry Hood, Single Lever	PG 21
10042900	H-B 10 Side Entry Hood, Single Lever	PG 16
10042800	H-B 10 Side Entry Hood, Single Lever	PG 21
10046900	H-B 10 Cable Coupler Hood, Single Lever	PG 16
70042200	H-B 10 Cable Coupler Hood, Single Lever	PG 21
10040000	H-B 10 Top Entry Hood, Double Lever	PG 16
10040100	H-B 10 Top Entry Hood, Double Lever	PG 21
10042000	H-B 10 Side Entry Hood, Double Lever	PG 16
10042100	H-B 10 Side Entry Hood, Double Lever	PG 21
10046000	H-B 10 Cable Coupler Hood, Double Lever	PG 16
10041000	H-B 10 Top Entry Hood, Double Latches	PG 16
10045000	H-B 10 Side Entry Hood, Double Latches	PG 16



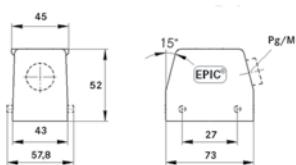
Cable coupler double lever



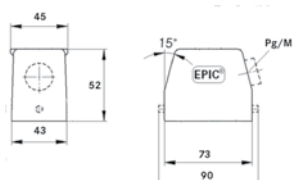
Cable coupler single lever



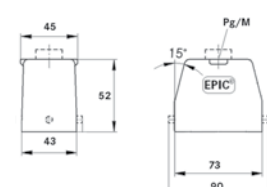
Side entry double latches



Side entry hood



Top Entry hood single lever



EPIC® H-B 16 Bases

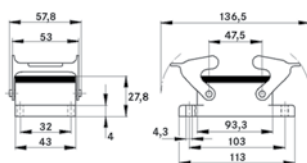
H-B 16 Bases are the standard housing in the range for a wide choice of different inserts, with both single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

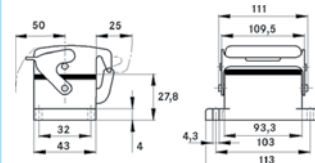
Part Number	Description	Thread Entry
10072900	H-B 16 Panel Mount Base, Single Lever	
10073900	H-B 16 Panel Mount Base, Single Lever & Cover	
10074900	H-B 16 Surface Mount Base, Single Lever	PG 21
10075900	H-B 16 Surface Mount Base, Single Lever	2 x PG 21
10072000	H-B 16 Panel Mount Base, Double Lever	
10074000	H-B 16 Surface Mount Base, Double Lever	PG 21
10075000	H-B 16 Surface Mount Base, Double Lever	2 x PG 21
19074000	H-B 16 Surface Mount Base, Double Lever	M 25
19075000	H-B 16 Surface Mount Base, Double Lever	2 x M 25



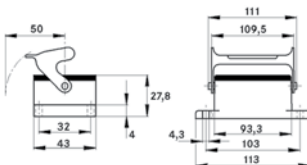
Panel mount base double lever



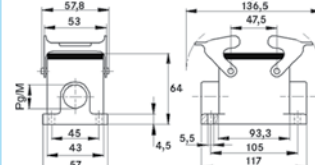
Panel mount base single lever and cover



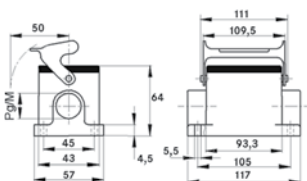
Panel mount base single lever



Surface mount base double lever



Surface mount base single lever



EPIC® H-B 16 Hoods

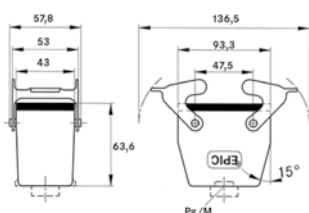
H-B 16 Hoods are the standard housing in the range for a wide choice of different inserts, with both single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

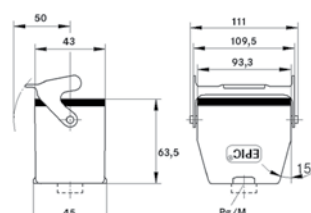
Part Number	Description	Thread Entry
10088090	H-B 16 Top Entry Hood, Single Lever	PG 21
19080900	H-B 16 Top Entry Hood, Single Lever	M 25
10082900	H-B 16 Side Entry Hood, Single Lever	PG 21
10092900	H-B 16 Side Entry Hood, Single Lever	PG 29
10086900	H-B 16 Cable Coupler Hood, Single Lever	PG 21
19086900	H-B 16 Cable Coupler Hood, Single Lever	M 25
10080000	H-B 16 Top Entry Hood, Double Lever	PG 21
10090000	H-B 16 Top Entry Hood, Double Lever	PG 29
19080000	H-B 16 Top Entry Hood, Double Lever	M 25
10082500	H-B 16 Side Entry Hood, Double Lever	PG 16
10082000	H-B 16 Side Entry Hood, Double Lever	PG 21
10086000	H-B 16 Cable Coupler Hood, Double Lever	PG 21
19086000	H-B 16 Cable Coupler Hood, Double Lever	M 25
10081000	H-B 16 Top Entry Hood, Double Latches	PG 21
10083000	H-B 16 Side Entry Hood, Double Latches	PG 21



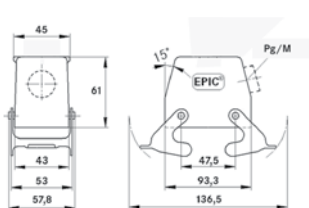
Cable coupler hood double lever



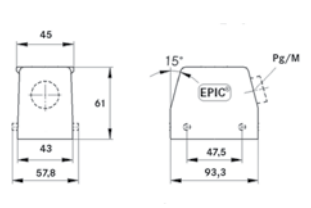
Cable coupler hood single lever



Side entry hood double lever

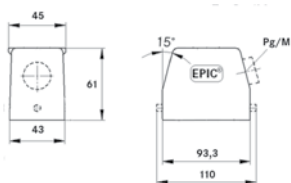


Side entry hood double lever

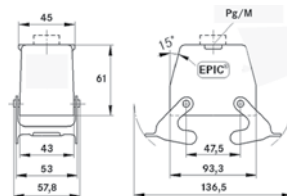




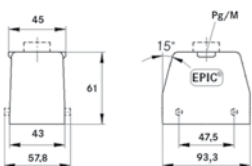
Single entry hood single lever



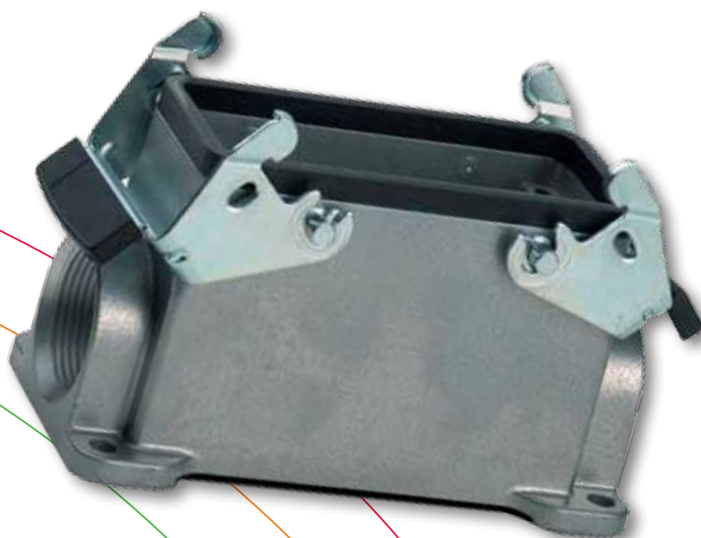
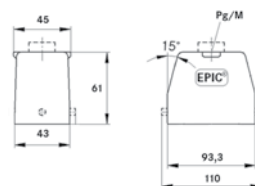
Top entry hood double latches



Top entry hood double lever



Top entry hood single lever





EPIC® H-B 24 Bases

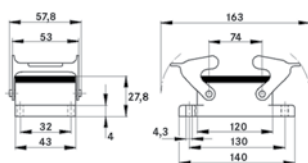
H-B 24 Bases are ideal for many applications due to the wide range of housings and inserts, with single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

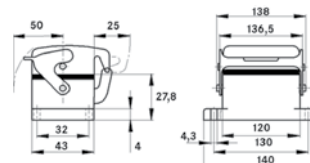
Part Number	Description	Thread Entry
10102900	H-B 24 Panel Mount Base, Single Lever	
10103900	H-B 24 Panel Mount Base, Single Lever & Cover	
10104900	H-B 24 Surface Mount Base, Single Lever	PG 21
10105900	H-B 24 Surface Mount Base, Single Lever	2 x PG 21
10102000	H-B 24 Panel Mount Base, Double Lever	
10104000	H-B 24 Surface Mount Base, Double Lever	PG 21
10105000	H-B 24 Surface Mount Base, Double Lever	2 x PG 21
19104000	H-B 24 Surface Mount Base, Double Lever	M 25
19105000	H-B 24 Surface Mount Base, Double Lever	2 x M 25



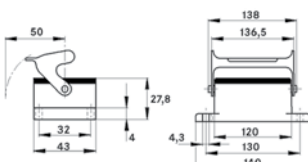
Panel mount base double lever



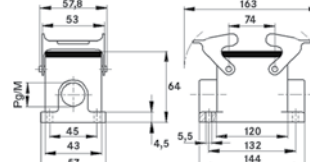
Panel mount base single lever and cover



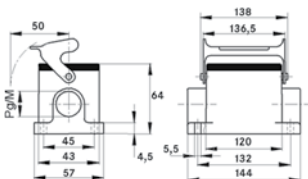
Panel mount base single lever



Surface mount base double lever



Surface mount base single lever



EPIC® H-B 24 Hoods

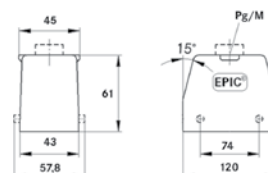
H-B 24 Hoods are ideal for many applications due to the wide range of housings and inserts, with single and double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

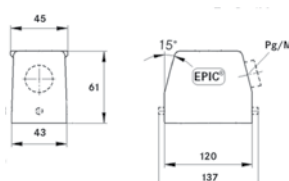
Part Number	Description	Thread Entry
10121900	H-B 24 Top Entry Hood, Single Lever	PG 21
10111900	H-B 24 Top Entry Hood, Single Lever	PG 29
10113900	H-B 24 Side Entry Hood, Single Lever	PG 21
10123900	H-B 24 Side Entry Hood, Single Lever	PG 29
10127900	H-B 24 Cable Coupler Hood, Single Lever	PG 21
10117900	H-B 24 Cable Coupler Hood, Single Lever	PG 29
10121000	H-B 24 Top Entry Hood, Double Lever	PG 21
10111000	H-B 24 Top Entry Hood, Double Lever	PG 29
10113000	H-B 24 Side Entry Hood, Double Lever	PG 21
10123000	H-B 24 Side Entry Hood, Double Lever	PG 29
10127000	H-B 24 Cable Coupler Hood, Double Lever	PG 21
10117000	H-B 24 Cable Coupler Hood, Double Lever	PG 29
10122000	H-B 24 Top Entry Hood, Double Latches	PG 21
10112000	H-B 24 Top Entry Hood, Double Latches	PG 29
10114000	H-B 24 Side Entry Hood, Double Latches	PG 21
10124000	H-B 24 Side Entry Hood, Double Latches	PG 29



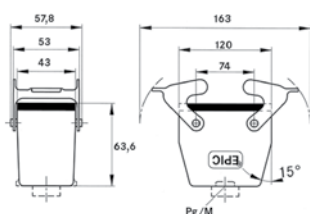
Top entry hood single lever



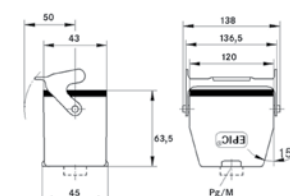
Top entry hood double lever



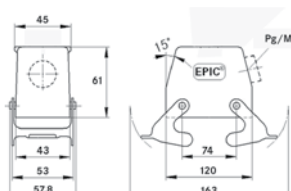
Cable coupler hood double latches



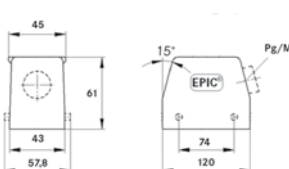
Cable coupler hood single lever



Side entry hood double latches



Side entry hood double lever



EPIC® H-B 32 Bases

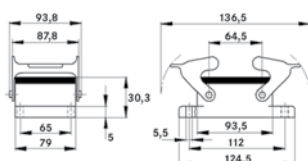
H-B 32 Bases are ideal for many applications due to the wide range of housings and inserts, with double lever locking, for a secure fixing.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

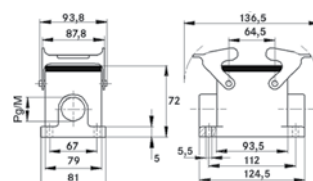
Part Number	Description	Thread Entry
10132000	H-B 32 Panel Mount Base, Double Lever	
10137000	H-B 32 Surface Mount Base, Double Lever	PG 29
10138000	H-B 32 Surface Mount Base, Double Lever	2 x PG 29
19137000	H-B 32 Surface Mount Base, Double Lever	M 32
19138000	H-B 32 Surface Mount Base, Double Lever	2 x M 32



Panel mount base double lever



Surface mount base double lever



EPIC® H-B 32 Hoods

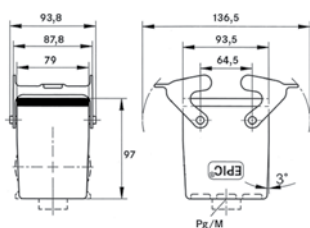
H-B 32 Hoods are ideal for many applications due to the wide range of housings and inserts, with double lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

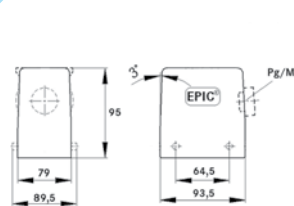
Part Number	Description	Thread Entry
10133000	H-B 32 Top Entry Hood, Double Lever	PG 21
10134000	H-B 32 Top Entry Hood, Double Lever	PG 29
10134300	H-B 32 Top Entry Hood, Double Lever	PG 36
10135000	H-B 32 Side Entry Hood, Double Lever	PG 21
10136000	H-B 32 Side Entry Hood, Double Lever	PG 29
10136300	H-B 32 Side Entry Hood, Double Lever	PG 36
10139000	H-B 32 Cable Coupler Hood, Double Lever	PG 21
10139500	H-B 32 Cable Coupler Hood, Double Lever	PG 29
70205000	H-B 32 Top Entry Hood, Double Latches	PG 29
10136500	H-B 32 Side Entry Hood, Double Latches	PG 21
10136600	H-B 32 Side Entry Hood, Double Latches	PG 29



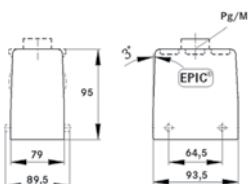
Panel mount base double lever



Surface mount base double lever



Top entry double lever



EPIC® H-B 48 Bases

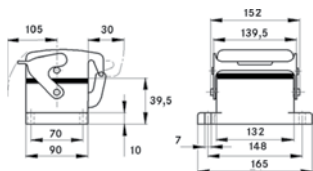
H-B 48 Bases are a large robust housing suitable for 2 inserts in one connector, with single lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

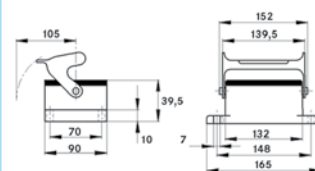
Part Number	Description	Thread Entry
10161000	H-B 24 Panel Mount Base, Single Lever	
10152000	H-B 24 Panel Mount Base, Single Lever & Cover	
10165000	H-B 24 Surface Mount Base, Single Lever	PG 29
10165100	H-B 24 Surface Mount Base, Single Lever	PG 36
10166000	H-B 24 Surface Mount Base, Single Lever	2 x PG 29
10166100	H-B 24 Surface Mount Base, Single Lever	2 x PG 36



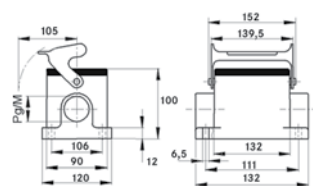
Panel mount base single lever and cover



Panel mount base single lever



Surface mount base single lever



EPIC® H-B 48 Hoods

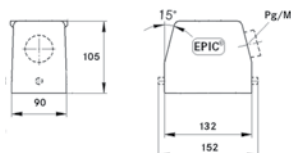
H-B 48 Hoods are a large robust housing suitable for 2 inserts in one connector, with single lever locking.

Housing	Powder coated aluminium alloy
Lever	Zinc plated steel
Sealing	NBR
Protection Rating	IP 65 (latched)
Temperature Range	-40°C to +100°C

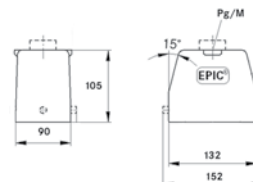
Part Number	Description	Thread Entry
10155000	H-B 48 Top Entry Hood, Single Lever	PG 29
10156000	H-B 48 Top Entry Hood, Single Lever	PG 36
10157000	H-B 48 Top Entry Hood, Single Lever	PG 42
10158000	H-B 48 Side Entry Hood, Single Lever	PG 29
10159000	H-B 48 Side Entry Hood, Single Lever	PG 36
10160000	H-B 48 Side Entry Hood, Single Lever	PG 42



Side entry hood single lever



Top entry hood single lever



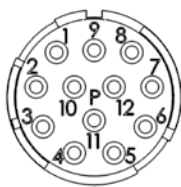
M23 Circular Connectors

The M23 CIRCON connectors are designed for signal transmission in servo motors and servo harnessing, measurement and control technology, and plant engineering. Available in coupler, connector and panel mount configurations that satisfy simple cable-to-cable and cable-to-machine requirements. Contacts available in crimp or solder terminations. Available in three keying arrangements to avoid incorrect mating.

Inserts	Number of contacts	Termination technology	Suitable contacts	Cross-section [mm ²]	IEC: Rated voltage [V]	IEC: Rated current [A]	Suitable insert (P-Part)	Suitable insert (E-Part)
M23 6	6	Solder	-	1.0 – 2.5	150	18	73002762(m) 73002764(f)	73002770(f) 73002768(m)
M23 7	7	Solder	-	1.0 – 2.5	150	18	44420150(m) 44420152(f)	44420158(f) 44420156(m)
M23 8 + 1	8+1	Solder	-	Up to 2.5	150	20	73002738(m) 73002740(f)	73002746(f) 73002744(m)
M23 9	9	Solder	-	Up to 1.0	150	7	73002726(m) 73002728(f)	73002734(f) 73002732(m)
M23 12	12	Solder	-	Up to 1.0	100	7	73002714(m) 73002716(f)	73002722(f) 73002720(m)
M23 12 PCB-Soldering	12	Solder	-	Up to 1.00	100	7	44420107(m) 44420108(f)	44420106(f) 44420066(m)
M23 12 D-Sub	12	Crimp	M-D 1.0 D-Sub	0.08 – 0.56	100	4	44420124(m)* 44420126(f)*	44420122(f)* 44420120(m)*
M23 16	16	Solder	-	0.14 – 2.5	100	7	73002702(m) 73002704(f)	73002710(f) 73002708(m)
M23 17	17	Solder	-	0.14 – 2.5	50	7	73028000(m) 73018000(f)	73018500(f) 73028500(m)
M23 17 D-Sub	17	Crimp	M-D 1.0 D-Sub	0.08 – 0.56	50	4	44420132(m)* 44420134(f)*	44420130(f)* 44420128(m)*
M23 17 PCB-soldering	17	Solder	-	0.08 – 0.56	50	7	44420160(m) 44420161(f)	44420163(f) 44420162(m)



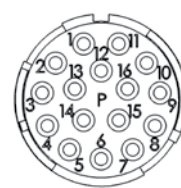
12 way E-part insert



12 way P-part insert

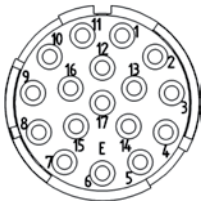


16 way E-part insert



16 way P-part insert

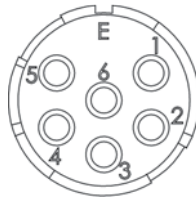




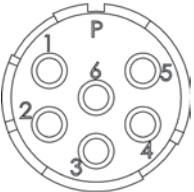
17 way E-part insert



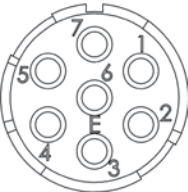
17 way P-part insert



6 way E-part insert



6 way P-part insert



7 way E-part insert



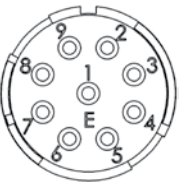
7 way P-part insert



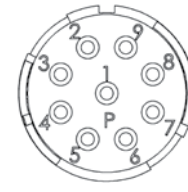
8+1 way E-part insert



8+1 way P-part insert



9 way E-part insert



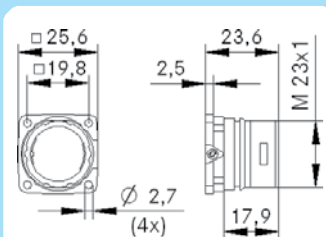
9 way P-part insert

M23 Circular Bases

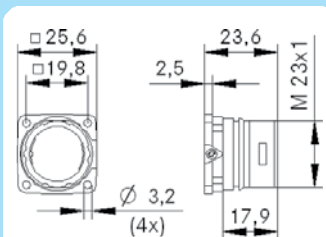
M23 Circular Connector Bases are suitable for all the M23 inserts. Bases are available in either front or rear mounting, with either a screw, tapped hole or locking nut fastening.

Housing	Nickel-plated zinc die-casting
Sealing	FPM
Protection Rating	IP 68 (mated)
Temperature Range	-25°C to +125°C

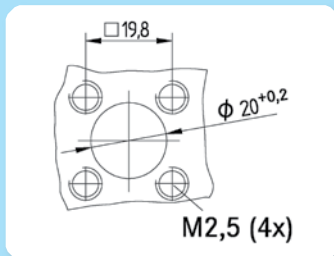
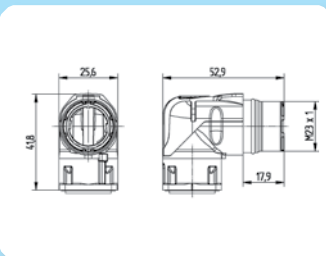
Housing	Nickel-plated zinc die-casting		
Sealing	FPM		
Part Number	Description	Coding	Fastening Type
72004000	M23 A1 Panel Mount, Front wall mounting	Black	Screw Ø 2.7mm(4x)
72004200	M23 A1 Panel Mount, Front wall mounting	Red	Screw Ø 2.7mm(4x)
72004100	M23 A1 Panel Mount, Front wall mounting	Blue	Screw Ø 2.7mm(4x)



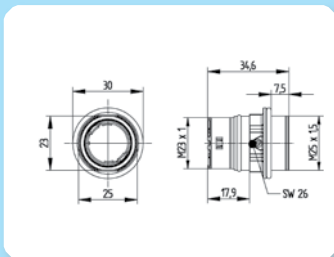
44420018	M23 A1 D3.2 Panel Mount, Front wall mounting	Black	Screw Ø 3.2mm(4x)
44420020	M23 A1 D3.2 Panel Mount, Front wall mounting	Red	Screw Ø 3.2mm(4x)
44420016	M23 A1 D3.2 Panel Mount, Front wall mounting	Blue	Screw Ø 3.2mm(4x)



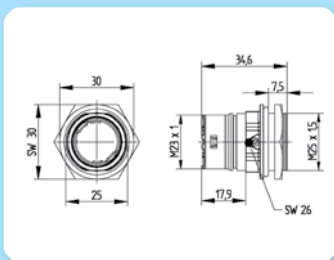
44420055	M23 A3 Rotatable Right Angle Panel Mount, Front Wall Mounting	Black	Screw Ø 2.7mm(4x)
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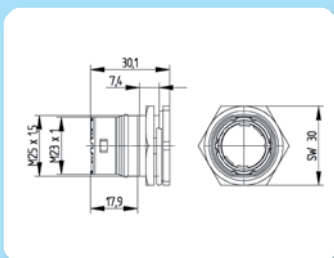
Part Number	Description	Coding	Fastening Type
44420055	M23 A3 Rotatable Right Angle Panel Mount, Front Wall Mounting	Black	Screw Ø 2.7mm(4x)



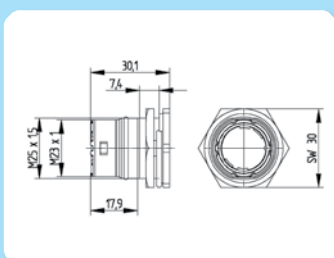
44420032	M23 G4 Panel Mount, Front Wall Mounting	Black	M25 x 1.5
44420034	M23 G4 Panel Mount, Front Wall Mounting	Red	M25 x 1.5
44420030	M23 G4 Panel Mount, Front Wall Mounting	Blue	M25 x 1.5



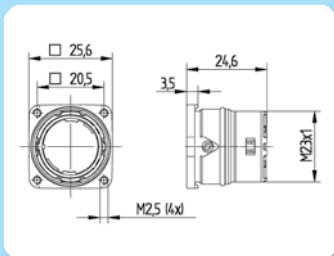
44420046	M23 G5 Panel Mount, Front Wall Mounting	Black	M25 x 1.5 (Locknut Included)
44420048	M23 G5 Panel Mount, Front Wall Mounting	Red	M25 x 1.5 (Locknut Included)
44420044	M23 G5 Panel Mount, Front Wall Mounting	Blue	M25 x 1.5 (Locknut Included)



44420071	M23 G6 Panel Mount, Rear Wall Mounting	Black	M25 x 1.5
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44420024	M23 B1 Panel Mount, Rear Wall Mounting	Black	Tapped M2.5 (4x)
44420034	M23 B1 Panel Mount, Rear Wall Mounting	Red	Tapped M2.5 (4x)
44420030	M23 B1 Panel Mount, Rear Wall Mounting	Blue	Tapped M2.5 (4x)
44420050	M23 B2 Panel Mount, Rear Wall Mounting	Black	Screw Ø 2.7mm(4x)
44420035	M23 B2 Panel Mount, Rear Wall Mounting	Red	Screw Ø 2.7mm(4x)
44420052	M23 B2 Panel Mount, Rear Wall Mounting	Blue	Screw Ø 2.7mm(4x)



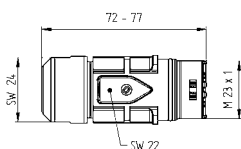
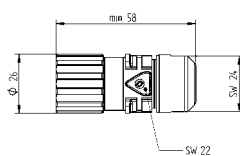
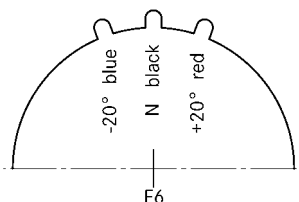
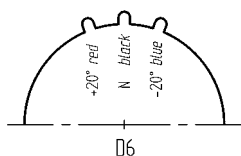
M23 Circular Housings

M23 Circular Connector housings are suitable for all the M23 inserts. Available in a cable connector version to mate with all bases, or a coupling connector which mates with the cable connector housing.

Housing	Nickel-plated zinc die-casting
Sealing	FPM
Protection Rating	IP 68 (mated)
Temperature Range	-25°C to +125°C

Part Number	Description	Coding	Cable Clamping Range
44420037	M23 D6 Cable Connector	Black	7.0 - 13.5 mm
72044030	M23 D6 Cable Connector	Black	7.0 - 10.0 mm
72044000	M23 D6 Cable Connector	Black	9.5 - 13.5 mm
44420038	M23 D6 Cable Connector	Red	7.0 - 13.5 mm
72044230	M23 D6 Cable Connector	Red	7.0 - 10.0 mm
72044200	M23 D6 Cable Connector	Red	9.5 - 13.5 mm
44420036	M23 D6 Cable Connector	Blue	7.0 - 13.5 mm
72044130	M23 D6 Cable Connector	Blue	7.0 - 10.0 mm
72044100	M23 D6 Cable Connector	Blue	9.5 - 13.5 mm

44420040	M23 F6 Coupling Connector	Black	7.0 - 13.5 mm
72064030	M23 F6 Coupling Connector	Black	7.0 - 10.0 mm
72064000	M23 F6 Coupling Connector	Black	9.5 - 13.5 mm
44420041	M23 F6 Coupling Connector	Red	7.0 - 13.5 mm
72064230	M23 F6 Coupling Connector	Red	7.0 - 10.0 mm
72064200	M23 F6 Coupling Connector	Red	9.5 - 13.5 mm
44420039	M23 F6 Coupling Connector	Blue	7.0 - 13.5 mm
72064130	M23 F6 Coupling Connector	Blue	7.0 - 10.0 mm
72064100	M23 F6 Coupling Connector	Blue	9.5 - 13.5 mm

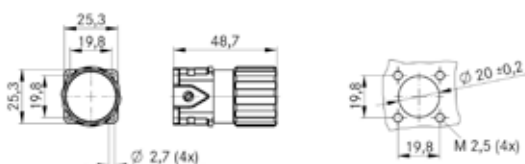
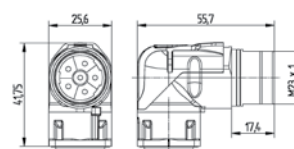
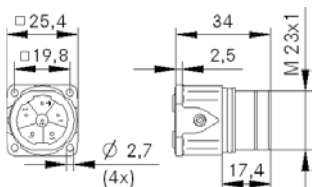


EPIC® LS1 CIRCON

The LS1 CIRCON power connectors with the contact configurations 5+PE, 3+PE+4 are designed to be used in servo motors and servo harnessing. Available in coupler, connector and panel mount configurations that satisfy simple cable-to-cable and cable-to-machine requirements. The connectors come with an integrated EMC screen termination.

Housing	Nickel-plated zinc die-casting
Sealing	FPM
Insert	Polyamide
Contact	
Protection Rating	IP 68 (mated)
Temperature Range	-25°C to +125°C

Part Number	Description	No. Of Contacts	Version	Fastening Type	Cable Clamping Range
LS1 6 Pin Panel Mount Base					
76003000	LS1 A1 Panel Mount, Straight Entry	5 + PE	Male	Screw Ø 2.7mm(4x)	-
44420058	LS1 A3 Panel Mount, Rotatable Angled Entry	5 + PE	Male	Screw Ø 2.7mm(4x)	-
76153000	LS1 G5 Panel Mount, Straight Entry	5 + PE	Male	M25 x 1.5 (Locknut Included)	-
76083000	LS1 A6 Panel Mount, Straight Entry	5 + PE	Female	Screw Ø 2.7mm(4x)	-

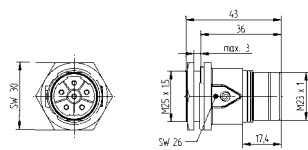
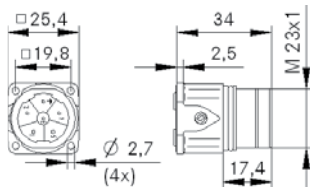


LS1 6 Pin Connector Housings

73000004	LS1 D6 Cable Connector, Long Body	5 + PE	Female	-	8.5 - 11mm
73000005	LS1 D6 Cable Connector, Long Body	5 + PE	Female	-	10.5 - 15.5mm
76123000	LS1 D6 Cable Connector, Long Body	5 + PE	Female	-	7.5 - 15.5mm
44420091	LS1 D6 Cable Connector, Long Body	5 + PE	Female	-	14 - 17mm
73000028	LS1 D6 Cable Connector, Short Body	5 + PE	Female	-	8.5 - 11mm
73000029	LS1 D6 Cable Connector, Short Body	5 + PE	Female	-	10.5 - 15.5mm
76123100	LS1 D6 Cable Connector, Short Body	5 + PE	Female	-	7.5 - 15.5mm
73000012	LS1 F6 Cable Coupler	5 + PE	Male	-	8.5 - 11mm
73000013	LS1 F6 Cable Coupler	5 + PE	Male	-	10.5 - 15.5mm
76133000	LS1 F6 Cable Coupler	5 + PE	Male	-	7.5 - 15.5mm
44420095	LS1 F6 Cable Coupler	5 + PE	Male	-	14 - 17mm

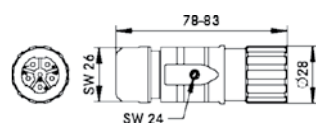
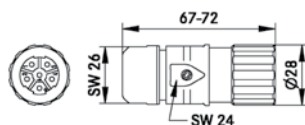
LS1 8 Pin Panel Mount Base

76004000	LS1 A1 Panel Mount, Straight Entry	3 + PE + 4	Male	Screw Ø 2.7mm(4x)	-
44420056	LS1 A3 Panel Mount, Rotatable Angled Entry	3 + PE + 4	Male	Screw Ø 2.7mm(4x)	-
76154000	LS1 G5 Panel Mount, Straight Entry	3 + PE + 4	Male	M25 x 1.5 (Locknut Included)	-
76084000	LS1 A6 Panel Mount, Straight Entry	3 + PE + 4	Female	Screw Ø 2.7mm(4x)	-



LS1 8 Pin Connector Housings

73000000	LS1 D6 Cable Connector, Long Body	3 + PE + 4	Female	-	8.5 - 11mm
73000001	LS1 D6 Cable Connector, Long Body	3 + PE + 4	Female	-	10.5 - 15.5mm
76124000	LS1 D6 Cable Connector, Long Body	3 + PE + 4	Female	-	7.5 - 15.5mm
44420089	LS1 D6 Cable Connector, Long Body	3 + PE + 4	Female	-	14 - 17mm
73000024	LS1 D6 Cable Connector, Short Body	3 + PE + 4	Female	-	8.5 - 11mm
73000025	LS1 D6 Cable Connector, Short Body	3 + PE + 4	Female	-	10.5 - 15.5mm
76124100	LS1 D6 Cable Connector, Short Body	3 + PE + 4	Female	-	7.5 - 15.5mm
73000008	LS1 F6 Cable Coupler	3 + PE + 4	Male	-	8.5 - 11mm
73000009	LS1 F6 Cable Coupler	3 + PE + 4	Male	-	10.5 - 15.5mm
76134000	LS1 F6 Cable Coupler	3 + PE + 4	Male	-	7.5 - 15.5mm
44420093	LS1 F6 Cable Coupler	3 + PE + 4	Male	-	14 - 17mm



EPIC® D-sub stamped contacts

Suitable inserts are Epic M23 Inserts 12 pole D-Sub and Epic M23 Inserts 17 pole D-Sub.

Part number	Part	Version	Conductor cross section in mm ²	Surface	Stripping length (mm)	Note
44429011	EPIC D-SUB SCBG AU G2 0,08-0,22	male	0.08 – 0.22	Au (0,8µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429007	EPIC D-SUB BCBG AU G2 0,08-0,22	female	0.08 – 0.22	Au (0,8µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429013	EPIC D-SUB SCBG AU G3 0,08-0,22	male	0.08 – 0.22	Au (0,1µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429009	EPIC D-SUB BCBG AU G3 0,08-0,22	female	0.08 – 0.22	Au (0,1µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429012	EPIC D-SUB SCBG AU G2 0,22-0,56	male	0.22 – 0.56	Au (0,8µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429008	EPIC D-SUB BCBG AU G2 0,22-0,56	female	0.22 – 0.56	Au (0,8µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429014	EPIC D-SUB SCBG AU G3 0,22-0,56	male	0.22 – 0.56	Au (0,1µm)	2,5 + 0,5	1 reel (PU) = 500 contacts
44429010	EPIC D-SUB BCBG AU G3 0,22-0,56	female	0.22 – 0.56	Au (0,1µm)	2,5 + 0,5	1 reel (PU) = 500 contacts



1



2



3



4

EPIC® H-D 1.6 machined contact

Suitable inserts are Epic H-DD 24, Epic H-D 40, Epic H-D 7, Epic H-D 64, Epic H-DD 42, Epic H-DD 144, Epic H-D 15, Epic H-DD 216 and Epic H-DD 108.

Part number	Part	Version	Conductor cross section in mm ²	Cross-section ratio	Surface	Stripping length (mm)
13162000	H-D 1.6 machined	male	0.14 – 0.37	1	Ag	8,0
13163000	H-D 1.6 machined	female	0.14 – 0.37	1	Ag	8,0
13162100	H-D 1.6 machined	male	0.5	2	Ag	8,0
13163100	H-D 1.6 machined	female	0.5	2	Ag	8,0
13162200	H-D 1.6 machined	male	0.75 – 1.00	3	Ag	8,0
13163200	H-D 1.6 machined	female	0.75 – 1.00	3	Ag	8,0
13162300	H-D 1.6 machined	male	1.5	4	Ag	8,0
13163300	H-D 1.6 machined	female	1.5	4	Ag	8,0
13162400	H-D 1.6 machined	male	2.5	5	Ag	5,8
13163400	H-D 1.6 machined	female	2.5	5	Ag	5,8
13162500	H-D 1.6 machined	male	0.14 – 0.37	1	Au	8,0
13163500	H-D 1.6 machined	female	0.14 – 0.37	1	Au	8,0
13162600	H-D 1.6 machined	male	0.5	2	Au	8,0
13163600	H-D 1.6 machined	female	0.5	2	Au	8,0
13162700	H-D 1.6 machined	male	0.75 – 1.00	3	Au	8,0
13163700	H-D 1.6 machined	female	0.75 – 1.00	3	Au	8,0
13162800	H-D 1.6 machined	male	1.5	4	Au	8,0
13163800	H-D 1.6 machined	female	1.5	4	Au	8,0
13162900	H-D 1.6 machined	male	2.5	5	Au	5,8
13163900	H-D 1.6 machined	female	2.5	5	Au	5,8



EPIC® H-BE 2.5 machined contacts

Suitable inserts are Epic H-EE 10, Epic H-EE 92, Epic H-BE 48 Crimp termination, Epic H-BE 6, Epic H-BE 10 Crimp termination, Epic H-Q 5/ H-D 8, Epic H-EE 18, Epic MC Module: HE 4 pole, Epic H-EE 32, Epic H-BE 16 Crimp termination, Epic H-EE 46, Epic H-BE 24 Crimp termination, Epic H-EE 64 and Epic H-be 32 Crimp termination.

Part number	Part	Version	Conductor cross section in mm ²	Cross-section ratio	Surface	Stripping length (mm)
11190000	H-BE 2.5 machined	male	0.5		Ag	7.4
11195000	H-BE 2.5 machined	female	0.5		Ag	7.3
11190100	H-BE 2.5 machined	male	0.75 – 1.00	1	Ag	7.4
11195100	H-BE 2.5 machined	female	0.75 – 1.00	1	Ag	7.3
11190200	H-BE 2.5 machined	male	1.5	2	Ag	7.4
11195200	H-BE 2.5 machined	female	1.5	2	Ag	7.3
11190300	H-BE 2.5 machined	male	2.5	3	Ag	7.4
11195300	H-BE 2.5 machined	female	2.5	3	Ag	7.3
11190400	H-BE 2.5 machined	male	4		Ag	7.4
11195400	H-BE 2.5 machined	female	4		Ag	7.3
11192000	H-BE 2.5 machined	male	0.5		Au	7.4
11197000	H-BE 2.5 machined	female	0.5		Au	7.3
11192100	H-BE 2.5 machined	male	0.75 – 1.00	1	Au	7.4
11197100	H-BE 2.5 machined	female	0.75 – 1.00	1	Au	7.3
11192200	H-BE 2.5 machined	male	1.5	2	Au	7.4
11197200	H-BE 2.5 machined	female	1.5	2	Au	7.3



3



4

EPIC® MC 3.6 machined contacts

Suitable inserts are Epic MC Module: High Voltage 3 pole and Epic MC Module: 3 pole.

Part number	Part	Version	Conductor cross section in mm ²	Surface	Stripping length (mm)
1121070C	MC 3.6 machined	male	1.5	Ag	10,0
1121570C	MC 3.6 machined	female	1.5	Ag	10,0
1121060C	MC 3.6 machined	male	2.5	Ag	10,0
1121560C	MC 3.6 machined	female	2.5	Ag	10,0
1121000C	MC 3.6 machined	male	4	Ag	10,0
1121500C	MC 3.6 machined	female	4	Ag	10,0
1121010C	MC 3.6 machined	male	6	Ag	10,0
1121510C	MC 3.6 machined	female	6	Ag	10,0
1121020C	MC 3.6 machined	male	10	Ag	10,0
1121520C	MC 3.6 machined	female	10	Ag	10,0



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2

Skintop glands

The SKINTOP® MS / MSR are a nickel-plated brass cable gland with metric or PG connecting thread which combines high quality with regard to consistency and reliability, is especially designed for use in manufacturing of machines and equipment, in measuring, controlling as well as in the pharmaceutical industry and for medical equipment. The MSR glands have a reduced sealing for smaller cable diameters.



Housing	Nickel-Plated Brass		
Sealing	CR		
O-Ring	NBR		
Protection Rating	IP 68/IP69K		
Temperature Range	-30°C to +100°C		

SKINTOP® MS-M Metric Thread

Part Number	Description	Thread Size	Cable Clamping Range
53112000	SKINTOP® MS-M M12	M12 X 1.5	3 - 7
53112010	SKINTOP® MS-M M16	M16 X 1.5	4.5 - 10
53112020	SKINTOP® MS-M M20	M20 X 1.5	7 - 13
53112030	SKINTOP® MS-M M25	M25 X 1.5	9 - 17
53112040	SKINTOP® MS-M M32	M32 X 1.5	11 - 21
53112050	SKINTOP® MS-M M40	M40 X 1.5	19 - 28

SKINTOP® MSR-M Metric Thread

Part Number	Description	Thread Size	Cable Clamping Range
53112100	SKINTOP® MSR-M M12	M12 X 1.5	1 - 5
53112110	SKINTOP® MSR-M M16	M16 X 1.5	2 - 7
53112120	SKINTOP® MSR-M M20	M20 X 1.5	5 - 10
53112130	SKINTOP® MSR-M M25	M25 X 1.5	6 - 13
53112140	SKINTOP® MSR-M M32	M32 X 1.5	7 - 15
53112150	SKINTOP® MSR-M M40	M40 X 1.5	15 - 23

SKINTOP® MS PG Thread			
Part Number	Description	Thread Size	Cable Clamping Range
52015700	SKINTOP® MS PG 7	PG7	2 - 6.5
52015710	SKINTOP® MS PG 9	PG9	4 - 8
52015720	SKINTOP® MS PG 11	PG11	4 - 10
52015730	SKINTOP® MS PG 13.5	PG13.5	5 - 12
52015740	SKINTOP® MS PG 16	PG16	8 - 14
52015750	SKINTOP® MS PG 21	PG21	11 - 18
52015760	SKINTOP® MS PG 29	PG29	16 - 25
52015765	SKINTOP® MS PG 36	PG36	19 - 32

SKINTOP® MSR PG Thread			
Part Number	Description	Thread Size	Cable Clamping Range
52015700	SKINTOP® MSR PG 7	PG7	2 - 5
52015710	SKINTOP® MSR PG 9	PG9	2 - 6
52015720	SKINTOP® MSR PG 11	PG11	3 - 7
52015730	SKINTOP® MSR PG 13.5	PG13.5	4 - 9
52015740	SKINTOP® MSR PG 16	PG16	6 - 13
52015750	SKINTOP® MSR PG 21	PG21	8 - 16
52015760	SKINTOP® MSR PG 29	PG29	10.5 - 20
52015765	SKINTOP® MSR PG 36	PG36	19 - 26



