

HEAVY DUTY CONNECTORS

SIBAS[®] CONNECTORS



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1. Specifications

- VDE 0110 Concerning clearance and creepage distances
- VDE 0627 Connectors and plug devices

2. Standard

- DIN EN 175 301-801
- DIN EN 60664-1
- DIN EN 61 984

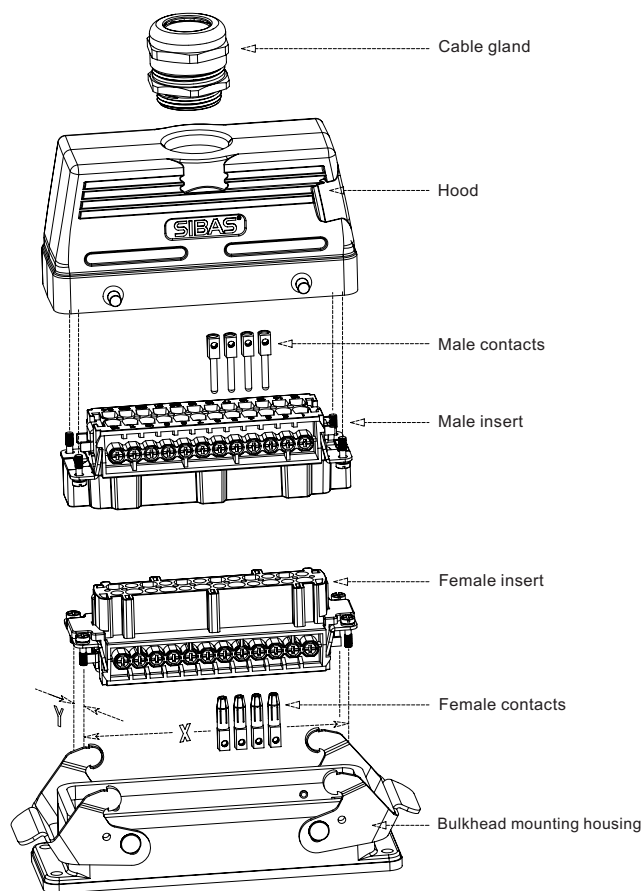
3. Approvals



For a complete connector components may be order from the following sub headings.

- **Male insert**
Male insert with screw terminal/crimp terminal/spring terminal /rolled contacts terminal/axial screw terminal/rapid terminal.
- **Female insert**
Male insert with screw terminal/crimp terminal/spring terminal /rolled contacts terminal/axial screw terminal/rapid terminal.
- **Hoods**
Hoods with low or high construction, side or top cable entry , 2 or 4 bolts, 1 or 2 locking levers.
- **Housings**
Bulkhead mounting housings with or without protection cover, 1 or 2 locking levers.

Surface mounting housings with low or high construction,with or without protection cover , 2 or 4 bolts, 1 or 2 locking levers, 1 or 2 cable entries.
- **Cable entry protection**
Cable glands with normal or multiple sealing.
Metal or plastic cable glands.
Special cable entry protection or extensive range of accessories.
- **Accessories**
Protection cover available, code and guide pins for coding.
Inserts fixing screws for use without hoods and housings.



List of hoods and housings

HOODS

Two bolts hoods		Four bolts hoods	
TS-RO	side entry hood, low construction	TS	side entry hood, low construction
TG-RO	top entry hood, low construction	TG	top entry hood, low construction
TSH-RO	side entry hood, high construction	TSH	side entry hood, high construction
TGH-RO	top entry hood, high construction	TGH	top entry hood, high construction

HOUSINGS

One lever housings		Housings	
AG-LB	bulkhead mounting housing	AG	bulkhead mounting housing
AD-LB	bulkhead mounting housing with cover	AD	bulkhead mounting housing with protective cover
SGR-LB	surface mounting housing, low construction	SGR	surface mounting housing, low construction
SDR-LB	surface mounting housing with protective cover , low construction	SDR	surface mounting housing with protective cover , low construction
SGRH-LB	surface mounting housing, high construction	SGRH	surface mounting housing , high construction
SDRH-LB	surface mounting housing with protective cover high construction	SDRH	surface mounting housing with protective cover , high construction

OTHER HOODS

OTHER HOUSINGS

TSB	side entry hood with two levers, low construction	TBF	cable to cable housing with two levers, low construction
TGB	top entry hood with two levers, low construction	TBF-LB	cable to cable housing with one lever, low construction
TSBH	side entry hood with two levers , high construction	TBFH	cable to cable housing with two levers, high construction
TGBH	top entry hood with two levers, high construction	TBFH-LB	cable to cable housing with one lever, high construction

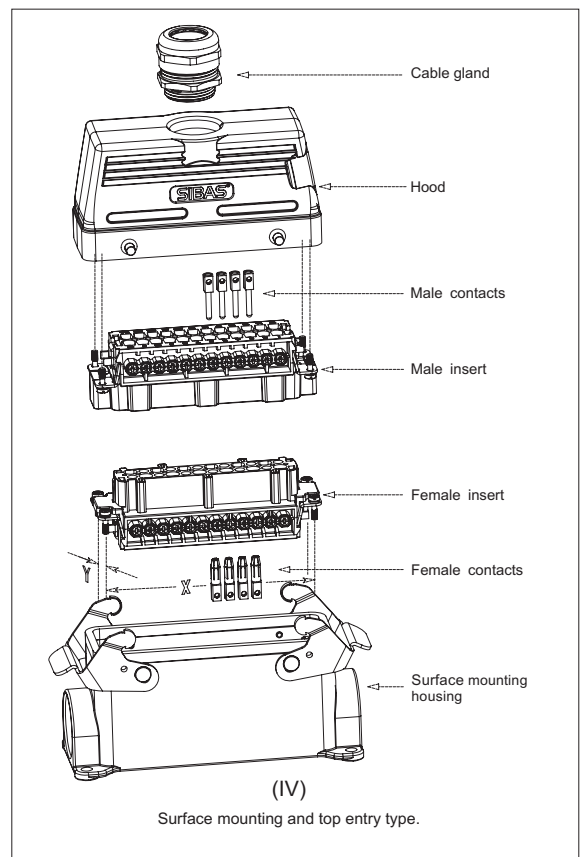
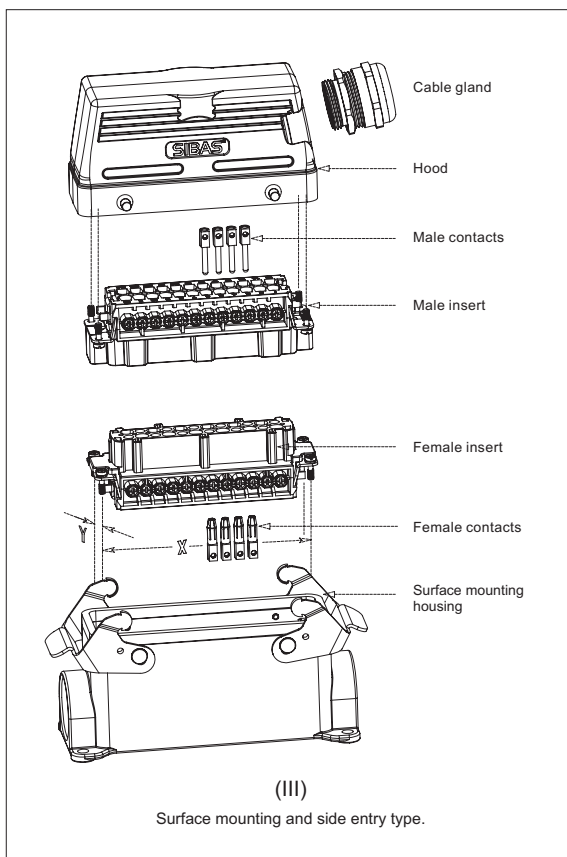
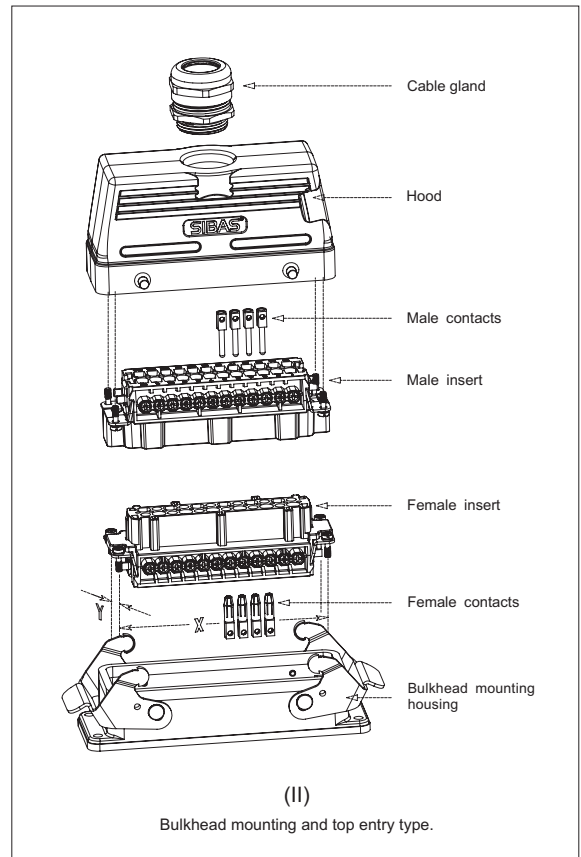
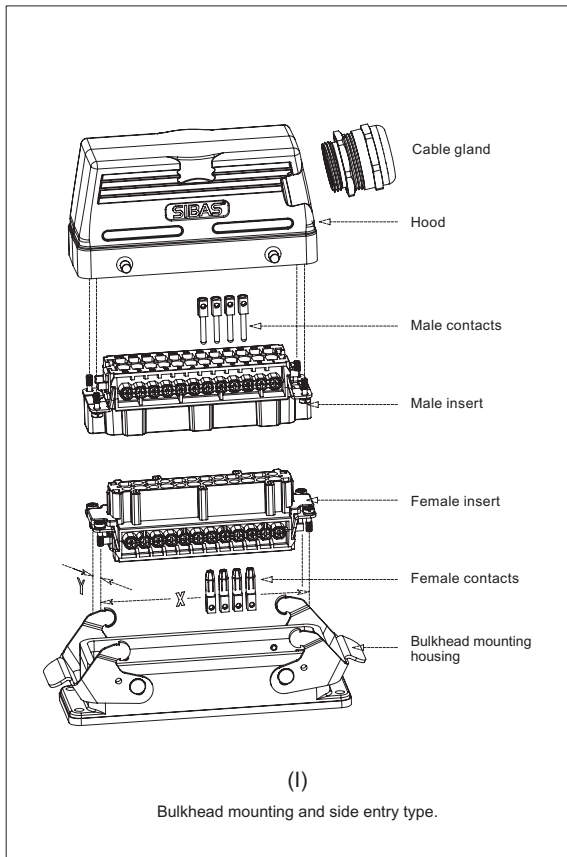
Technical information of inserts

Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HA	HA-003	3+PE	10A	250V	screw terminal	-	H3A
	HA-004	4+PE	10A	250V	screw terminal	-	H3A
	HA-010	10+PE	16A	250V	screw terminal crimp terminal	CEM/F(16A)	H10A
	HA-016	16+PE	16A	250V		DEM/F(16A)	H16A
	HA-032	32+PE	16A	250V		H32A	
	HAS-003	3+PE	10A	400V	spring terminal	-	H3A
HAS-004	4+PE	10A	400V	spring terminal	-	H3A	
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HE	HE-006	6+PE	16A	500V	screw terminal spring terminal crimp terminal rapid terminal Double spring	CEM/F(16A) DEM/F(16A)	H6B
	HE-010	10+PE	16A	500V			H10B
	HE-016	16+PE	16A	500V			H16B
	HE-024	24+PE	16A	500V			H24B
	HE-032	32+PE	16A	500V			H32B
	HE-048	48+PE	16A	500V			H48B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HVE	HVE-003	3+PE+2	16A	830V	screw terminal	-	H10B
	HVE-006	6+PE+2	16A	830V		-	H16B
	HVE-010	10+PE+2	16A	830V		-	H24B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HEE	HEE-010	10+PE	16A	500V	crimp terminal	CEM/F(16A) DEM/F(16A)	H6B
	HEE-018	18+PE	16A	500V			H10B
	HEE-032	32+PE	16A	500V			H16B
	HEE-046	46+PE	16A	500V			H24B
	HEE-064	64+PE	16A	500V			H32B
	HEE-092	92+PE	16A	500V			H48B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HEEE	HEEE-016	16+PE	16A	400V	crimp terminal	CEM/F(16A) DEM/F(16A)	H6B
	HEEE-024	24+PE	16A	400V			H10B
	HEEE-040	40+PE	16A	400V			H16B
	HEEE-064	64+PE	16A	400V			H24B
	HEEE-072	72+PE	16A	400V			H24B
	HEEE-080	80+PE	16A	400V			H32B
	HEEE-128	128+PE	16A	400V			H48B
	HEEE-144	144+PE	16A	400V			H48B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HD	HD-007	7+PE	10A	250V	crimp terminal Rolled contacts	CDM/F(10A) DDM/F(10A) CJM/F(10A)	H3A
	HD-008	8	10A	50V			H3A
	HD-015	15+PE	10A	250V			H10A
	HD-025	25+PE	10A	250V			H16A
	HD-040	40+PE	10A	250V			H16B
	HD-050	50+PE	10A	250V			H32A
	HD-064	64+PE	10A	250V			H24B
	HD-080	80+PE	10A	250V			H32B
	HD-128	128+PE	10A	250V			H48B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HDD	HDD-016	16+PE	10A	250V	crimp terminal Rolled contacts	CDM/F(10A) DDM/F(10A) CJM/F(10A)	H6B
	HDD-024	24+PE	10A	250V			H6B
	HDD-042	42+PE	10A	250V			H10B
	HDD-072	72+PE	10A	250V			H16B
	HDD-108	108+PE	10A	250V			H24B
	HDD-144	144+PE	10A	250V			H32B
HDD-216	216+PE	10A	250V	H48B			
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HSB	HSB-006	6+PE	35A	690V	screw terminal	-	H16B
	HSB-012	12+PE	35A	690V	screw terminal	-	H32B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Shells
HEAV	HEAV-006	6+PE	16A	500V	screw terminal spring terminal	-	H6B
	HEAV-010	10+PE	16A	500V		-	H10B
	HEAV-016	16+PE	16A	500V		-	H16B
	HEAV-024	24+PE	16A	500V		-	H24B

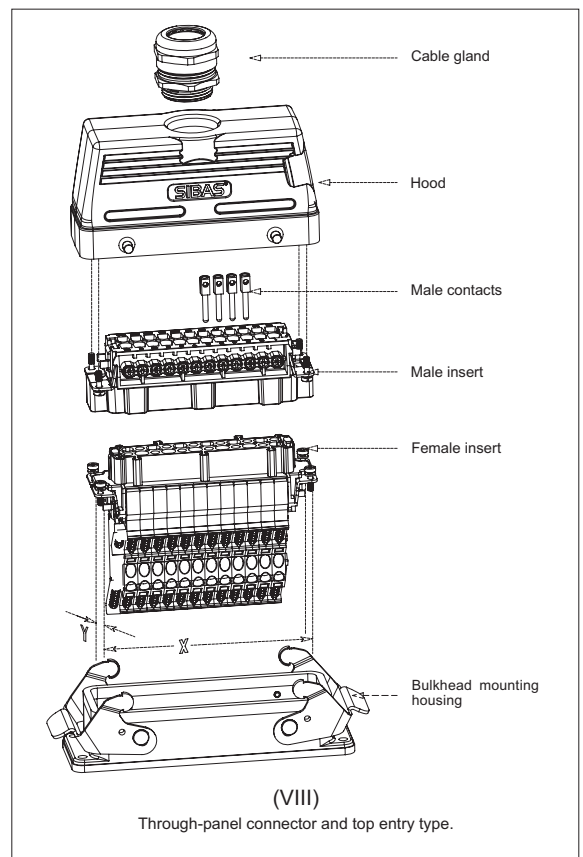
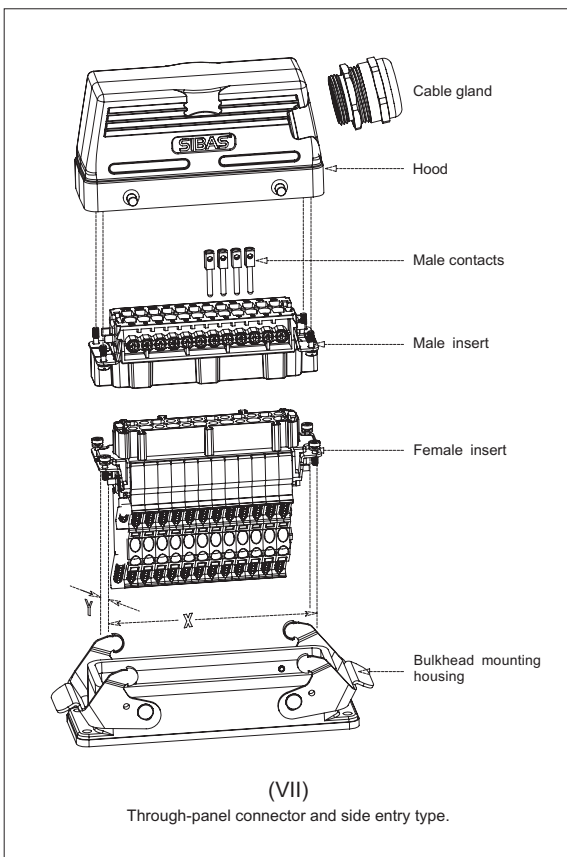
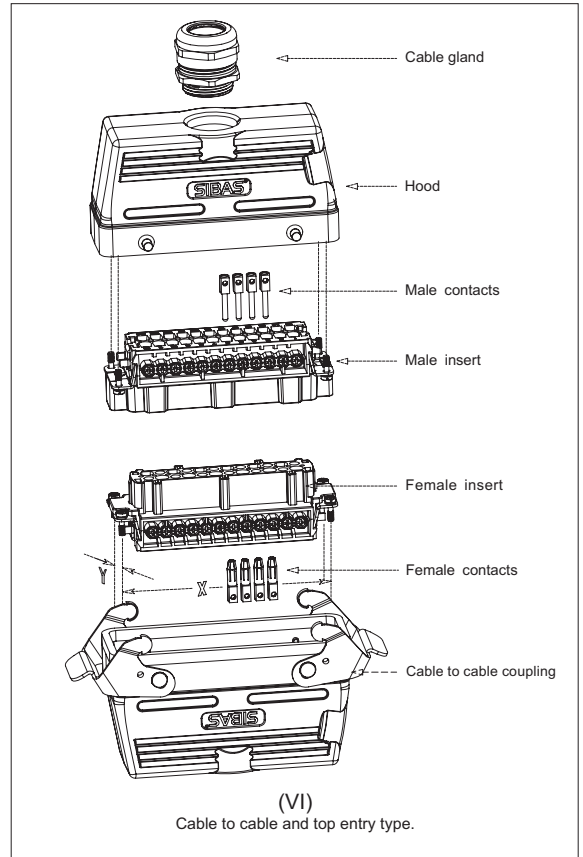
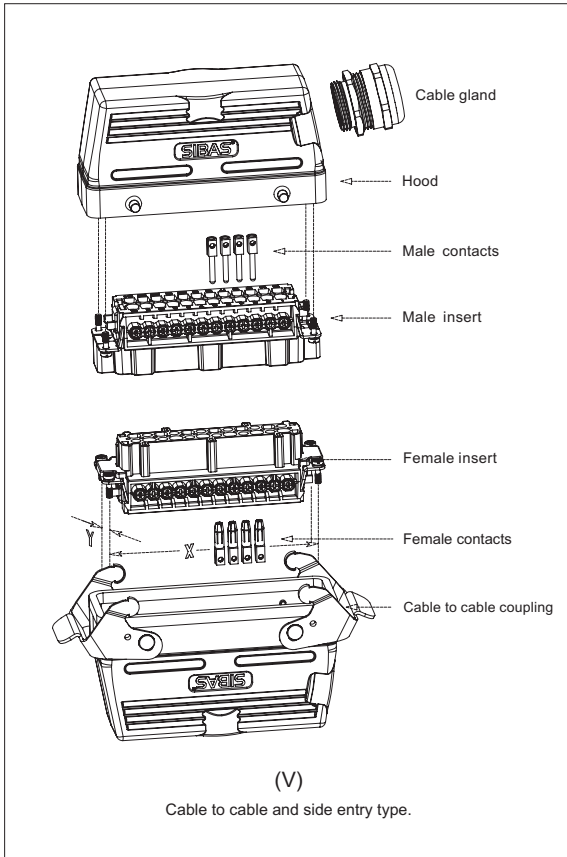
Technical information of inserts

Insert	Type	Poles	Current	Voltage	Terminal	Contacts	shells
HDAV	HDAV-040	40+PE	10A	250V	screw terminal	-	H16B
	HDAV-064	64+PE	10A	250V		-	H24B
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	shells
HK HKW	HKN-4/0	4+PE	80A	690V	Axial screw terminal	-	H6B
	HK-4/0	4+PE	80A	690V	screw terminal	-	H16B
	HK-4/2	4/2+PE	80/16A	690/400V	screw terminal	-	H16B
	HK-4/8	4/8+PE	80/16A	400/400V	screw terminal	-	H24B
	HK-6/6	6/6+PE	100/16A	690/400V	Axial screw terminal	-	H24B
	HK-8/0	8+PE	100A	690V	Axial screw terminal	-	H24B
	HK-6/12	6/12+PE	40/10A	690/400V	Axial screw terminal	-	H16B
	HK-6/36	6/36+PE	40/10A	690/250V	crimp terminal	CMM/F(40A) DMM/F(40A) CDM/F(10A) DDM/F(10A)	H16B
	HK-8/24	8/24+PE	16/10A	400/250V	crimp terminal	CEM/F&DEM/F(16A) CDM/F&DDM/F(10A)	H10B
	HK-12/2	12/2+PE	40/10A	500/250V	crimp terminal	CMM/F&DMM/F(40A) CDM/F&DDM/F(10A)	H16B
	HWK4/4	4/4+PE	40/16A	690/400V	screw terminal	-	H10B
	HWK4/6	4/6+PE	40/16A	690/400V	screw terminal	-	H16B
	HWK6/6	6/6+PE	40/16A	690/400V	screw terminal	-	H16B
HWK3/6/6	3/6/6+PE	100/40/16A	690/690/400V	screw terminal	-	H24B	
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	shells
HQ	HQ-005	5+PE	16A	400V	crimp terminal	CEM/F&DEM/F(16A)	H3A
	HQ-007	7+PE	10A	400V	crimp terminal	CDM/F&DDM/F(10A)	H3A
	HQ-008	8+PE	16A	500V	crimp terminal	CEM/F&DEM/F(16A)	H8A
	HQ-017	17+PE	10A	250V	crimp terminal	CDM/F&DDM/F(10A)	H8A
	HQ4/2	4/2	40/10A	690V	crimp terminal	CMM/F&DMM/F(40A) CDM/F&DDM/F(10A)	H8A
	HQ-012	12+PE	10A	400V	crimp terminal	CDM/F&DDM/F(10A)	H3A
Insert	Type	Poles	Current	Voltage	Terminal	Contacts	frame
HMN	HMN-001	1	200A	1000V	crimp terminal	CHM/F&DHM/F(200A)	H10AN-T1 H6BN-T2 H10BN-T3 H16BN-T4 H24BN-T6
	HMN-D2	2	100A	1000V	Axial screw terminal	CNM/F&DNM/F(100A)	
	HMN-S2	2	40A	1000V		CMM/F&DMM/F(40A)	
	HMN-002	2	70A	1000V	Axial screw terminal	-	
	HMN-003	3	40A	690V	crimp terminal	CMM/F&DMM/F(40A)	
	HMN-004	4	40A	830V	crimp terminal	CMM/F&DMM/F(40A)	
	HMN3/4	3/4	40/10A	830V	crimp terminal	CMM/F&DMM/F(40A) CDM/F&DDM/F(10A)	
	HMN-005	5	16A	400V	spring terminal	-	
	HMN-006	6	16A	500V	crimp terminal	CEM/F&DEM/F(16A)	
	HMN-006-P	6	16A	830V	crimp terminal	CEM/F&DEM/F(16A)	
	HMN-008	8	16A	400V	crimp terminal	CEM/F&DEM/F(16A)	
	HMN-012	12	10A	250V	crimp terminal	CDM/F&DDM/F(10A)	
	HMN-017	17	10A	250V	crimp terminal	CDM/F&DDM/F(10A)	
	HMN-020	20	16A	500V	crimp terminal	CEM/F&DEM/F(16A)	
	HMN-025	25	5A	50V	crimp terminal	CAM/F&DAM/F(5A)	
	HMN-004-SC	4	-	-	optical interface	-	
	HMN-D-Sub	9	5A	50V	D-Sub	CAM/F&DAM/F(5A)	
	HMN-RJ45	-	-	-	Rj45	-	
	HMN-PA2	2	-	-	pneumatic contacts	-	
	HMN-PA3	3	-	-	pneumatic contacts	-	
	PENU-PA2-6.0	1	-	-	pneumatic	-	
	PENU-PA3-1.6	1	-	-	pneumatic	-	
	PENU-PA3-3.0	1	-	-	pneumatic	-	
	PENU-PA3-4.0	1	-	-	pneumatic	-	
	HMN-Q2	2	-	-	shielding	-	
	Quintax-004	4	10A	50V	crimp terminal	CDM/F&DDM/F(10A)	
	Quintax-001	1	16A	50V	crimp terminal	CEM/F&DEM/F(16A)	
	Quintax-008	8	5A	50V	crimp terminal	CAM/F&DAM/F(5A)	
	HMN-DM	-	-	-	blank plug	-	
	Insert	Type	Module units				
Frame	HNM-1	1					-
	H10AN-T1	1					H10A
	H6BN-T2	2					H6B
	H10BN-T3	3					H10B
	H16BN-T4	4					H16B
	H24BN-T6	6					H24B

When selecting heavy duty connector , we need to choose as following:

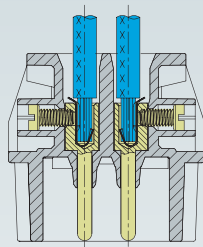


When selecting heavy duty connector , we need to choose as following:



Screw terminal

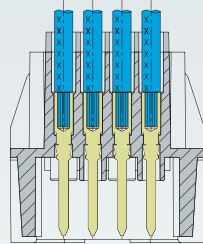
HA series
HE, HVE series
HSB series
HK series
HWK series
HEAV series



Inserts	Max.wire gauge		Stripping length L (mm)
	mm ²	AWG	
HA-003, HA-004	2.5	14	4.5
HE, HA, HEAV	2.5	14	7.5
HE, HVE	4.0	12	7.5
HSB	6.0	10	11.5
HK, HWK	16.0	5.0	14

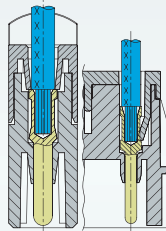
Crimp terminal

HD series
HDD series



Inserts	Max.wire gauge		Stripping length L(mm)	
	mm ²	AWG	HDD/HD	HEC/HAC
HD HDD HM(10A)	0.5	20	8.0	7.5
	0.75	18	8.0	7.5
	1.0	18	8.0	7.5
	1.5	16	8.0	7.5
	2.5	14	8.0	7.5
	4.0	12	-	7.5

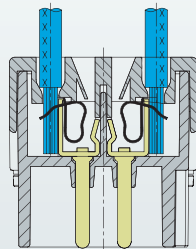
HEC, HEE series
HEEE series
HMN series



Inserts	Max.wire gauge		Stripping length L(mm) HEE/HMN(40A)
	mm ²	AWG	
HEC HEE HEEE HM(40A)	0.5	20	7.5
	0.75	18	7.5
	1.0	18	7.5
	1.5	16	7.5
	2.5	14	7.5
	4.0	12	7.5

Spring Terminal

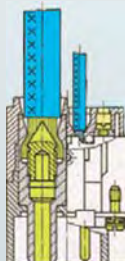
HAS series
HES series
HESAV series



Inserts	Max.wire gauge		Stripping length L (mm)
	mm ²	AWG	
HAS, HES, HESAV	0.14-2.5	26-14	9-11

Axial screw terminal

HK6/6
HK6/12
HK8/0



Inserts	Max.wire gauge		Stripping length L (mm)
	mm ²	AWG	
HK6/6	16-35	5-2	13-14
HK6/12	2.5-10	13/-1	8-9
HK8/0	10-25	13/-1	6-7

Recommended tightening torque and size of screw driver

Size of screw	Connector type	Tightening torque[Nm]	Tightening torque[lbft]	Recommended size of screw driver
M3	Screw terminal HA-003/HA-004/HQ-005	0.25	0.20	0.4x2.5
M3	Screw terminal HA-010, HA-016	0.50	0.40	0.5x3.5 or ±size 1
M3	Screw terminal HE, HVAE fixing screws of all kinds, guiding pins and bushes	0.50	0.40	0.5x3.5
M4	Ground terminal HA, HE, HD, HDD	1.20	0.90	0.5x3.5 or ±size 1+2
M4	Terminal blocks HSB	1.20	0.90	0.8x4.5
M5	Ground terminal HSB	2.00	1.40	0.8x4.5 1.2x8.0

Selecting PG Cable Glands

The PG sizes indicated are intended for standard cables.

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
0.5 mm ²	4	6.7 - 9.7	11	
AWG 20	6	7.6 - 10.6	11	13.5 16
	10	9.4 - 12.8	11	13.5 16
	16	10.7 - 13.9	11	13.5 16
	24	13.5 - 16.7	13.5	16 21
	30	14.3 - 17.5	13.5	16 21
	35	16 - 18.6	16	21
	40	16.6 - 19.2		21
	61	20.3 - 23.1	21	29

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
0.75 mm ²	4	7.9 - 10.3	11	
AWG 18	6	8.9 - 12.3	11	
	10	10.4 - 13.8	11	13.5 16
	18	13 - 16.2	13.5	16
	25	15.9 - 18.5	16	21
	32	17.1 - 19.7		21 29
	40	19 - 21.4		21 29
	50	21.3 - 24.1		21 29
	61	22.6 - 25.4		21 29

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
1 mm ²	4	8.4 - 10.7	11	13.5
AWG 16 - 18	6	9.2 - 12.6	11	13.5 16
	10	11 - 14.4	11	13.5 16 21
	16	13 - 16.2	13.5	16 21
	24	16.5 - 19.1		21 29
	34	19.4 - 21.8		21 29
	48	22 - 24.8		21 29
	61	24.5 - 27.2		29

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
1.5 mm ²	4	9.7 - 11.8	11	13.5 16
AWG 16	6	10.8 - 14.2	11	13.5 16
	11	13.6 - 16.8	13.5	16 21
	16	15.8 - 18.4		16 21
	25	20.2 - 23		21 29
	32	23.8 - 24.5		29 36
	42	25.8 - 29		29 36
	50	27 - 30.2		29 36
	61	28.6 - 31.8		29 36

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
2.5 mm ²	4	11.7 - 14.4	11	13.5 16
AWG 12 - 14	6	13.3 - 16.7	13.5	16 21
	7	13.3 - 16.7	13.5	16 21
	11	18 - 20.6		21 29
	16	20.6 - 23.4		21 29
	18	21.7 - 24.5		29 36
	25	26.4 - 29.6		29 36
	34	31.3 - 33.1		29 36
	50	37 - 39.4		42

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
4 mm ²	2	10.7 - 14.1	11	13.5 16 21
AWG 10 - 12	4	13 - 16.4	13.5	16 21
	5	14.3 - 17.7		16 21
	7	16.2 - 19.6		21 29 36
	11	approx. 24.5		29 36

Selecting Metric Cable Glands

The Metric-sizes indicated are intended for standard cables.

Please observe the clamping range of your choice of metric cable glands.

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
0.5 mm ²	4	6.7 - 9.7	16	20
AWG 20	6	7.6 - 10.6	16	20 16
	10	9.4 - 12.8	16	20 16 25
	16	10.7 - 13.9	20	16 25
	24	13.5 - 16.7	16	25 32
	35	16 - 18.6		25 32
	40	16.6 - 19.2		25 32
	61	20.3 - 23.1		32

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
0.75 mm ²	4	7.9 - 10.3	16	20
AWG 18	6	8.9 - 12.3	16	20 25
	10	10.4 - 13.8	20	25
	18	13 - 16.2	25	32
	25	15.9 - 18.5	25	32
	32	17.1 - 19.7	25	32
	40	19 - 21.4		32 40
	50	21.3 - 24.1		32 40
	61	22.6 - 25.4		40

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
1 mm ²	4	8.4 - 10.7	16	20
AWG 16 - 18	6	9.2 - 12.6	16	20 25
	10	11 - 14.4	20	25 32
	16	13 - 16.2	25	32
	24	16.5 - 19.1	25	32 40
	34	19.4 - 21.8	25	32 40
	48	22 - 24.8		32 40
	61	24.5 - 27.2		32 40

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
1.5 mm ²	4	9.7 - 11.8	16	20 25
AWG 16	6	10.8 - 14.2	20	25
	11	13.6 - 16.8	25	32
	16	15.8 - 18.4	25	32
	25	20.2 - 23		32 40
	32	23.8 - 24.5		40
	42	25.8 - 29		40
	61	28.6 - 31.8		40

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
2.5 mm ²	4	11.7 - 14.4	20	25
AWG 12 - 14	6	13.3 - 16.7	25	32
	11	18 - 20.6	25	32 40
	16	20.6 - 23.4	32	40
	25	26.4 - 29.6		40 50
	34	31.3 - 33.1		40 50
	50	37 - 39.4		50
	61	39 - 41.5		50

Cross-sec.	No. of cond.	Cable ϕ approx.	Metric with multi-layer sealing	
4 mm ²	2	10.7 - 14.1	20	25
AWG 10 - 12	4	13 - 16.4	25	32
	5	14.3 - 17.7	25	32
	7	16.2 - 19.6	25	32
	11	approx. 24.5		40

HA Series

HA series inserts can match the HA series hoods and housings , see page 33 to 35 .




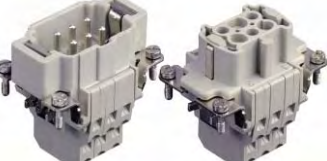








3+ ⊕		3+ ⊕		4+ ⊕		4+ ⊕		
Screw terminal		Spring terminal		Screw terminal		Spring terminal		
Type	Male(M) Female(F)	HA-003-M HA-003-F	Type	Male(M) Female(F)	HA-003-MS HA-003-FS	Type	Male(M) Female(F)	HA-004-MS HA-004-FS
Tech data	Rated current:10A Rated voltage :250V Terminal: screw terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current : 10A Rated voltage : 400V Terminal : Spring terminal Wiregauge : 0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: screw terminal Wiregauge : 0.14-2.5mm ²	
Hoods Housings	For H3A series see page 33		Hoods Housings	For H3A series see page 33		Hoods Housings	For H3A series see page 33	

10+ ⊕		10+ ⊕		16+ ⊕		16+ ⊕		
Screw terminal		Crimp terminal (Order crimp contacts separately)		Screw terminal		Crimp terminal (Order crimp contacts separately)		
Type	Male(M) Female(F)	HA-010-M HA-010-F	Type	Male(M) Female(F)	HA-010-MC HA-010-FC	Type	Male(M) Female(F)	HA-016-MC HA-016-FC
Tech data	Rated current:16A Rated voltage :250V Terminal: screw terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:16A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :250V Terminal: screw terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H10A series see page 34		Hoods Housings	For H10A series see page 34		Hoods Housings	For H16A series see page 34	

32+ ⊕		32+ ⊕			
Screw terminal		Crimp terminal (Order crimp contacts separately)			
Type	Male(M) Female(F)	HA-016-M(1-16) HA-016-M(17-32) HA-016-F(1-16) HA-016-F(17-32)	Type	Male(M) Female(F)	HA-016-MC(1-16) HA-016-MC(17-32) HA-016-FC(1-16) HA-016-FC(17-32)
Tech data	Rated current:16A Rated voltage :250V Terminal: screw terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:16A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H32A series see page 35		Hoods Housings	For H32A series see page 35	













HE Series

HE series inserts can match the HB series hoods and housings , see page 36 to 44 .

6+⊕		6+⊕		6+⊕		6+⊕		
Screw terminal		Spring terminal		Crimp terminal (Order crimp contacts separately)		Spring terminal (Two terminals per contact)		
								
M F		M F		M F		M F		
Type	Male(M) Female(F)	HE-006-M HE-006-F	Type	Male(M) Female(F)	HE-006-MS HE-006-FS	Type	Male(M) Female(F)	HE-006-MSS HE-006-FSS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H6B series see page 36		Hoods Housings	For H6B series see page 36		Hoods Housings	For H6B series see page 36	
10+⊕		10+⊕		10+⊕		10+⊕		
Screw terminal		Spring terminal		Crimp terminal (Order crimp contacts separately)		Spring terminal (Two terminals per contact)		
								
M F		M F		M F		M F		
Type	Male(M) Female(F)	HE-010-M HE-010-F	Type	Male(M) Female(F)	HE-010-MS HE-010-FS	Type	Male(M) Female(F)	HE-010-MSS HE-010-FSS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H10B series see page 37 to 38	
16+⊕		16+⊕		16+⊕		16+⊕		
Screw terminal		Spring terminal		Crimp terminal (Order crimp contacts separately)		Spring terminal (Two terminals per contact)		
								
M F		M F		M F		M F		
Type	Male(M) Female(F)	HE-016-M HE-016-F	Type	Male(M) Female(F)	HE-016-MS HE-016-FS	Type	Male(M) Female(F)	HE-016-MSS HE-016-FSS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40	

HE Series

HE series inserts can match the HB series hoods and housings , see page 32,33,34,35,36 .

24+⊕		24+⊕		24+⊕		24+⊕					
Screw terminal		Spring terminal		Crimp terminal (Order crimp contacts separately)		Spring terminal (Two terminals per contact)					
											
M F		M F		M F		M F					
Type	Male(M) Female(F)	HE-024-M HE-024-F	Type	Male(M) Female(F)	HE-024-MS HE-024-FS	Type	Male(M) Female(F)	HE-024-MC HE-024-FC	Type	Male(M) Female(F)	HE-024-MSS HE-024-FSS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H24B series see page 41 to 42	
32+⊕			32+⊕			32+⊕			32+⊕		
Screw terminal			Spring terminal			Crimp terminal (Order crimp contacts separately)			Spring terminal (Two terminals per contact)		
											
M F			M F			M F			M F		
Type	Male(M) Female(F)	HE-016-M(1-16) HE-016-M(17-32) HE-016-F(1-16) HE-016-F(17-32)	Type	Male(M) Female(F)	HE-016-MS(1-16) HE-016-MS(17-32) HE-016-FS(1-16) HE-016-FS(17-32)	Type	Male(M) Female(F)	HE-016-MC(1-16) HE-016-MC(17-32) HE-016-FC(1-16) HE-016-FC(17-32)	Type	Male(M) Female(F)	HE-016-MSS(1-16) HE-016-MSS(17-32) HE-016-FSS(1-16) HE-016-FSS(17-32)
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²	
Hoods Housings	For H32B series see page 43		Hoods Housings	For H32B series see page 43		Hoods Housings	For H32B series see page 43		Hoods Housings	For H32B series see page 43	
48+⊕			48+⊕			48+⊕			48+⊕		
Screw terminal			Spring terminal			Crimp terminal (Order crimp contacts separately)			Spring terminal (Two terminals per contact)		
											
M F			M F			M F			M F		
Type	Male(M) Female(F)	HE-024-M(1-24) HE-024-M(25-48) HE-024-F(1-24) HE-024-F(25-48)	Type	Male(M) Female(F)	HE-024-MS(1-24) HE-024-MS(25-48) HE-024-FS(1-24) HE-024-FS(25-48)	Type	Male(M) Female(F)	HE-024-MC(1-24) HE-024-MC(25-48) HE-024-FC(1-24) HE-024-FC(25-48)	Type	Male(M) Female(F)	HE-024-MSS(1-24) HE-024-MSS(25-48) HE-024-FSS(1-24) HE-024-FSS(25-48)
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.5-2.5mm ²	
Hoods Housings	For H48B series see page 44		Hoods Housings	For H48B series see page 44		Hoods Housings	For H48B series see page 44		Hoods Housings	For H48B series see page 44	

6+ ⊕			10/16/24/32/48+ ⊕						
Rapid terminal			Rapid terminal						
<p>M F</p>									
Type	Male(M) Female(F)	HE-006-MSH HE-006-FSH	Type	Male(M) Female(F)	HE-010-MSH HE-010-FSH	HE-016-MSH HE-016-FSH	HE-024-MSH HE-024-FSH	HE-032-MSH HE-032-FSH	HE-048-MSH HE-048-FSH
Tech data	Rated current:16A Rated voltage :500V Terminal: Rapid terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: Rapid terminal Wiregauge:0.5-2.5mm ²					
Hoods Housings	For H6B series see page 36		Hoods Housings	For HB series see page 36 to 44					

3+ ⊕ +2 additional contacts for safe high voltage connections			6+ ⊕ +2 additional contacts for safe high voltage connections			10+ ⊕ +2 additional contacts for safe high voltage connections			
Screw terminal			Screw terminal			Screw terminal			
<p>M F</p>			<p>M F</p>			<p>M F</p>			
Type	Male(M) Female(F)	HVE-003-M HVE-003-F	Type	Male(M) Female(F)	HVE-006-M HVE-006-F	Type	Male(M) Female(F)	HVE-010-M HVE-010-F	
Tech data	Rated current:16A Rated voltage :830V Terminal: screw terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :830V Terminal: screw terminal Wiregauge:0.5-2.5mm ²			Rated current:16A Rated voltage :830V Terminal: screw terminal Wiregauge:0.5-2.5mm ²		
Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H16B series see page 39 to 40			For H24B series see page 41 to 42		

15+ ⊕			72+ ⊕			16/24//40/48/64/80/128/144+ ⊕			
Crimp terminal(Order crimp contacts separately)									
<p>M F</p>									
Type	Male(M) Female(F)	HEEE-015-M HEEE-015-F	Type	Male(M) Female(F)	HEEE-072-M HEEE-072-F	Type	Male(M) Female(F)		
Tech data	Rated current:16A Rated voltage :200V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :400V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²			Rated current:16A Rated voltage :400V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²		
Hoods Housings	No need shells		Hoods Housings	For H24B series see page 41 to 42			For HB series see page 36 to 44		




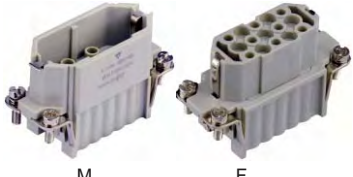
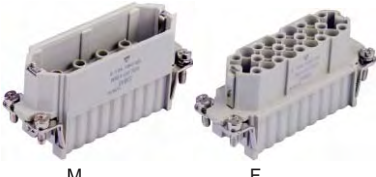
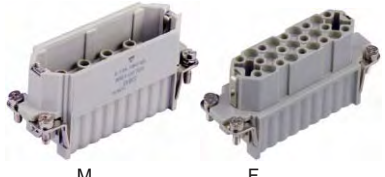


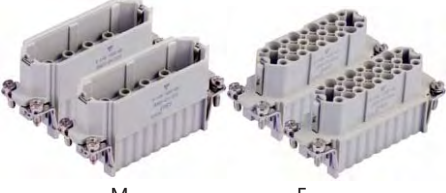
HEE Series

HEE series inserts can match the HB series hoods and housings , see page 36 to 44 .

10+			18+			32+		
<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>		
Type	Male(M) Female(F)	HEE-010-M HEE-010-F	Type	Male(M) Female(F)	HEE-018-M HEE-018-F	Type	Male(M) Female(F)	HEE-032-M HEE-032-F
Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H6B series see page 36		Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H16B series see page 39 to 40	
46+			64+			92+		
<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>		
Type	Male(M) Female(F)	HEE-046-M HEE-046-F	Type	Male(M) Female(F)	HEE-032-M(1-32) HEE-032-M(33-64) HEE-032-F(1-32) HEE-032-F(33-64)	Type	Male(M) Female(F)	HEE-046-M(1-46) HEE-046-M(47-92) HEE-046-F(1-46) HEE-046-F(47-92)
Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.14-4.0mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H32B series see page 43		Hoods Housings	For H48B series see page 44	

HD Series

HD series inserts can match the HA,HB series hoods and housings , see page 33 to 44 .

7+⊕		8+⊕		15+⊕	
Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)	
					
M F		M F		M F	
Type	Male(M) Female(F)	HD-007-M HD-007-F	Type	Male(M) Female(F)	HD-008-M HD-008-F
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :50V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H3A series see page 33		Hoods Housings	For H3A series see page 33	
15+⊕		25+⊕		25+⊕	
Rolled crimp contacts(Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		Rolled crimp contacts(Order crimp contacts separately)	
					
M F		M F		M F	
Type	Male(M) Female(F)	HD-015-M HD-015-FJ	Type	Male(M) Female(F)	HD-025-M HD-025-F
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H10A series see page 34		Hoods Housings	For H16A series see page 34	
40+⊕		40+⊕		50+⊕	
Crimp terminal (Order crimp contacts separately)		Rolled crimp contacts(Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)	
					
M F		M F		M F	
Type	Male(M) Female(F)	HD-040-M HD-040-F	Type	Male(M) Female(F)	HD-040-M HD-040-FJ
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40	
Type	Male(M) Female(F)	HD-025-M(1-25) HD-025-M(1-25) HD-025-F(1-25) HD-025-F(1-25)	Type	Male(M) Female(F)	HD-025-M(1-25) HD-025-M(1-25) HD-025-F(1-25) HD-025-F(1-25)
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H32A series see page 35		Hoods Housings	For H32A series see page 35	


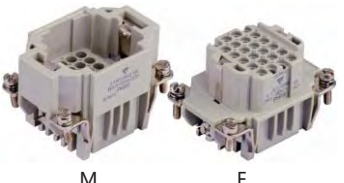
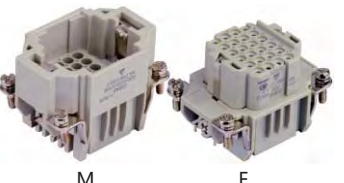
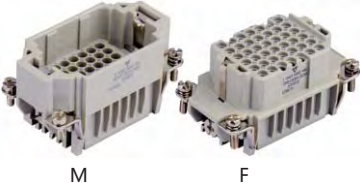
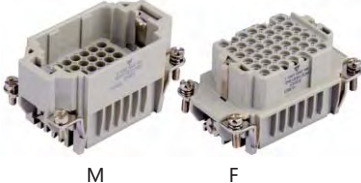
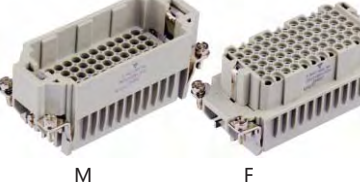
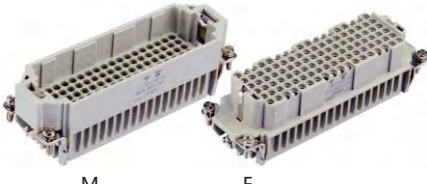


HD Series

HD series inserts can match the HB series hoods and housings , see page 33 to 44 .

64+			64+			80+		
<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Rolled crimp contacts(Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>		
Type	Male(M) Female(F)	HD-064-M HD-064-F	Type	Male(M) Female(F)	HD-064-M HD-064-FJ	Type	Male(M) Female(F)	HD-040-M(1-40) HD-040-M(41-80) HD-040-F(1-40) HD-040-F(41-80)
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H32B series see page 43	
80+			128+			128+		
<p>Rolled crimp contacts(Order crimp contacts separately)</p> <p>M F</p>			<p>Crimp terminal (Order crimp contacts separately)</p> <p>M F</p>			<p>Rolled crimp contacts(Order crimp contacts separately)</p> <p>M F</p>		
Type	Male(M) Female(F)	HD-040-M(1-40) HD-040-M(41-80) HD-040-FJ(1-40) HD-040-FJ(41-80)	Type	Male(M) Female(F)	HD-064-M(1-64) HD-064-M(65-128) HD-064-F(1-64) HD-064-F(65-128)	Type	Male(M) Female(F)	HD-064-M(1-64) HD-064-M(65-128) HD-064-FJ(1-64) HD-064-FJ(65-128)
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H32B series see page 43		Hoods Housings	For H48B series see page 44		Hoods Housings	For H48B series see page 44	

HDD Series

HDD series inserts can match the HB series hoods and housings , see page 33 to 44

16+ ⊕			24+ ⊕			24+ ⊕		
Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)			Rolled crimp contacts(Order crimp contacts separately)		
								
M F			M F			M F		
Type	Male(M) Female(F)	HDD-016-M HDD-016-F	Type	Male(M) Female(F)	HDD-024-M HDD-024-F	Type	Male(M) Female(F)	HDD-024-M HDD-024-FJ
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H6B series see page 36		Hoods Housings	For H6B series see page 36		Hoods Housings	For H6B series see page 36	
42+ ⊕			42+ ⊕			72+ ⊕		
Crimp terminal (Order crimp contacts separately)			Rolled crimp contacts(Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)		
								
M F			M F			M F		
Type	Male(M) Female(F)	HDD-042-M HDD-042-F	Type	Male(M) Female(F)	HDD-042-M HDD-042-FJ	Type	Male(M) Female(F)	HDD-072-M HDD-072-F
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H16B series see page 39 to 40	
108+ ⊕			144+ ⊕			216+ ⊕		
Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)		
								
M F			M F			M F		
Type	Male(M) Female(F)	HDD-108-M HDD-108-F	Type	Male(M) Female(F)	HDD-072-M(1-72) HDD-072-M(73-144) HDD-072-F(1-72) HDD-072-F(73-144)	Type	Male(M) Female(F)	HDD-108-M(1-108) HDD-108-M(109-216) HDD-108-F(1-108) HDD-108-F(109-216)
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.14-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H32B series see page 43		Hoods Housings	For H48B series see page 44	

HQ Series

HQ series inserts can match the HA/HB series hoods and housings , see page 33 to 35

5+ ⊕		7+ ⊕		8+ ⊕		12+ ⊕		
Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		
M F		M F		M F		M F		
Type	Male(M) Female(F)	HQ-005-M HQ-005-F	Type	Male(M) Female(F)	HQ-007-M HQ-007-F	Type	Male(M) Female(F)	HQ-008-M HQ-008-F
Tech data	Rated current:16A Rated voltage :400V Terminal: crimp terminal Wiregauge:0.5-4.0mm ²		Tech data	Rated current:10A Rated voltage :400V Terminal: crimp terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: crimp terminal Wiregauge:0.5-4.0mm ²	
Hoods Housings	For H3A series see page 33		Hoods Housings	For H3A series see page 33		Hoods Housings	For H8A series see page 35	

17+ ⊕		4/2+ ⊕			
Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)			
M F		M F			
Type	Male(M) Female(F)	HQ-017-M HQ-017-F	Type	Male(M) Female(F)	HQ-4/2-M HQ-4/2-F
Tech data	Rated current:10A Rated voltage :250V Terminal: crimp terminal Wiregauge:0.5-2.5mm ²		Tech data	Rated current:40A/10A Rated voltage :250V,400V Terminal: crimp terminal Wiregauge:1.5-10mm ² /0.5-2.5mm ²	
Hoods Housings	For H8A series see page 35		Hoods Housings	For H8A series see page 35	

HSB Series

HSB series inserts can match the HB series hoods and housings , see page 39 to 43

6+ ⊕			12+ ⊕		
Screw terminal			Screw terminal		
M F			M F		
Type	Male(M) Female(F)	HSB-006-M HSB-006-F	Type	Male(M) Female(F)	HSB-006-M(1-6) HSB-006-M(7-12) HSB-006-F(1-6) HSB-006-F(7-12)
Tech data	Rated current:35A Rated voltage :690V Terminal: screw terminal Wiregauge:0.5-6.0mm ²		Tech data	Rated current:35A Rated voltage :690V Terminal: screw terminal Wiregauge:0.5-6.0mm ²	
Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H32B series see page 43	

HEAV Series

HEAV series inserts can match the HB series hoods and housings , see page 36 to 42

6+ ⊕		6+ ⊕		10+ ⊕	
Screw terminal		Spring terminal		Screw terminal	
Type	Male(M) Female(F)	HEAV-006-M HEAV-006-F	Type	Male(M) Female(F)	HEAV-006-MS HEAV-006-FS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.2-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.2-2.5mm ²	
Hoods Housings	For H6B series see page 36		Hoods Housings	For H6B series see page 36	
Hoods Housings			Hoods Housings	For H10B series see page 37 to 38	

10+ ⊕		16+ ⊕		16+ ⊕	
Spring terminal		Screw terminal		Spring terminal	
Type	Male(M) Female(F)	HEAV-010-MS HEAV-010-FS	Type	Male(M) Female(F)	HEAV-016-M HEAV-016-F
Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.2-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.2-2.5mm ²	
Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H16B series see page 39 to 40	
Hoods Housings			Hoods Housings	For H16B series see page 39 to 40	

24+ ⊕		24+ ⊕			
Screw terminal		Spring terminal			
Type	Male(M) Female(F)	HEAV-024-M HEAV-024-F	Type	Male(M) Female(F)	HEAV-024-MS HEAV-024-FS
Tech data	Rated current:16A Rated voltage :500V Terminal: screw terminal Wiregauge:0.2-2.5mm ²		Tech data	Rated current:16A Rated voltage :500V Terminal: spring terminal Wiregauge:0.2-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H24B series see page 41 to 42	

HWK Series

HWK series inserts can match the HB series hoods and housings , see page 37 to 42

HWK4/6+ ⊕		HWK6/6+ ⊕		HWK3/6/6+ ⊕		HWK4/4+ ⊕		
Screw terminal		Screw terminal		Screw terminal		Screw terminal		
M F		M F		M F		M F		
Type	Male(M) Female(F)	HWK4/6-010-M HWK4/6-010-F	Type	Male(M) Female(F)	HWK6/6-012-M HWK6/6-012-F	Type	Male(M) Female(F)	HWK3/3/6-015-M HWK3/3/6-015-F
Tech data	Rated current:35A,16A Rated voltage:690V,400V Terminal: screw terminal Wiregauge:2.5-6.0mm ² 1.0-2.5mm ²		Tech data	Rated current:35A,16A Rated voltage:690V,400V Terminal: screw terminal Wiregauge:4.0-10.0mm ² 1.0-2.5mm ²		Tech data	Rated current:100A,40A,16A Rated voltage:690V,690V,400V Terminal: screw terminal Wiregauge:16.0-35.0mm ² 2.5-6.0mm ² 1.0-2.5mm ²	
Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H24B series see page 41 to 42	
Hoods Housings			Hoods Housings			Hoods Housings	For H10B series see page 37 to 38	

HDAV Series

HDAV series inserts can match the HB series hoods and housings , see page 39 to 42

40+ ⊕		64+ ⊕			
Screw terminal		Screw terminal			
M F		M F			
Type	Male(M) Female(F)	HDAV-040-M HDAV-040-F	Type	Male(M) Female(F)	HDAV-064-M HDAV-064-F
Tech data	Rated current:10A Rated voltage :250V Terminal: screw terminal Wiregauge:0.25-2.5mm ²		Tech data	Rated current:10A Rated voltage :250V Terminal: screw terminal Wiregauge:0.25-2.5mm ²	
Hoods Housings	For H16B series see page 38 to 39		Hoods Housings	For H24B series see page 41 to 42	

HK Series

HK series inserts can match the HB series hoods and housings , see page 36 to 42

HKN4+ ⊕		HK4/0+ ⊕		HK4/2+ ⊕		HK4/8+ ⊕		
Axial terminal		Screw terminal		Screw terminal		Screw terminal		
Type	Male(M) Female(F)	HKN4-004-M HKN4-004-F	Type	Male(M) Female(F)	HK4/0-004-M HK4/0-004-F	Type	Male(M) Female(F)	HK4/2-006-M HK4/2-006-F
Tech data	Rated current:80A,16A Rated voltage:690V,400V Terminal: Axial terminal Wiregauge:1.5-16mm ²		Tech data	Rated current:80A,16A Rated voltage:690V,400V Terminal: Screw terminal Wiregauge:1.5-16mm ² ,0.5-2.5mm ²		Tech data	Rated current:80A,16A Rated voltage:690V,400V Terminal: Screw terminal Wiregauge:1.5-16mm ² ,0.5-2.5mm ²	
Hoods Housings	For H10B series see page 37 to 38		Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40	
Hoods Housings			Hoods Housings			Hoods Housings	For H24B series see page 41 to 42	

HK6/6+ ⊕		HK6/12+ ⊕		HK12/2+ ⊕		HK6/36+ ⊕		
Axial terminal		Axial terminal		Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)		
Type	Male(M) Female(F)	HK6/6-012-M HK6/6-012-F	Type	Male(M) Female(F)	HK6/12-018-M HK6/12-018-F	Type	Male(M) Female(F)	HK12/12-014-M HK12/12-014-F
Tech data	Rated current:100A,16A Rated voltage:690V,400V Terminal: Axial terminal Wiregauge:16-35mm ² /0.5-2.5mm ²		Tech data	Rated current:40A,10A Rated voltage:690V,400V Terminal: Axial terminal Wiregauge:2.5-10mm ² /0.5-2.5mm ²		Tech data	Rated current:40A,10A Rated voltage:690V,250V Terminal: Crimp terminal Wiregauge:1.5-6mm ² /0.14-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H16B series see page 39 to 40		Hoods Housings	For H16B series see page 39 to 40	
Hoods Housings			Hoods Housings			Hoods Housings	For H16B series see page 39 to 40	

HK8/0+ ⊕		HK8/24+ ⊕			
Axial terminal		Crimp terminal (Order crimp contacts separately)			
Type	Male(M) Female(F)	HK8/0-008-M HK8/0-008-F	Type	Male(M) Female(F)	HK8/24-032-M HK8/24-032-F
Tech data	Rated current:100A Rated voltage:690V Terminal: Axial terminal Wiregauge:16-35mm ²		Tech data	Rated current:16A,10A Rated voltage:400V,250V Terminal: Crimp terminal Wiregauge:0.5-4.0mm ² /0.14-2.5mm ²	
Hoods Housings	For H24B series see page 41 to 42		Hoods Housings	For H10B series see page 37 to 38	
Hoods Housings			Hoods Housings		



HMN modular series

- Sibas new design, patent products
- Mutually compatible with other brands
- More convenient to install
- Complete series
- Can be developed according to customer requirements

1. Specifications

Concerning clearance and creepage distances
Connectors and plug devices

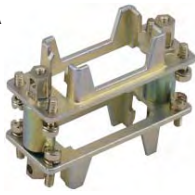
2. Standard

DIN EN 60 664-1
DIN EN 61984

3. Approvals



H10A



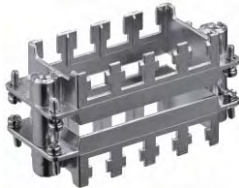
H6B



H10B



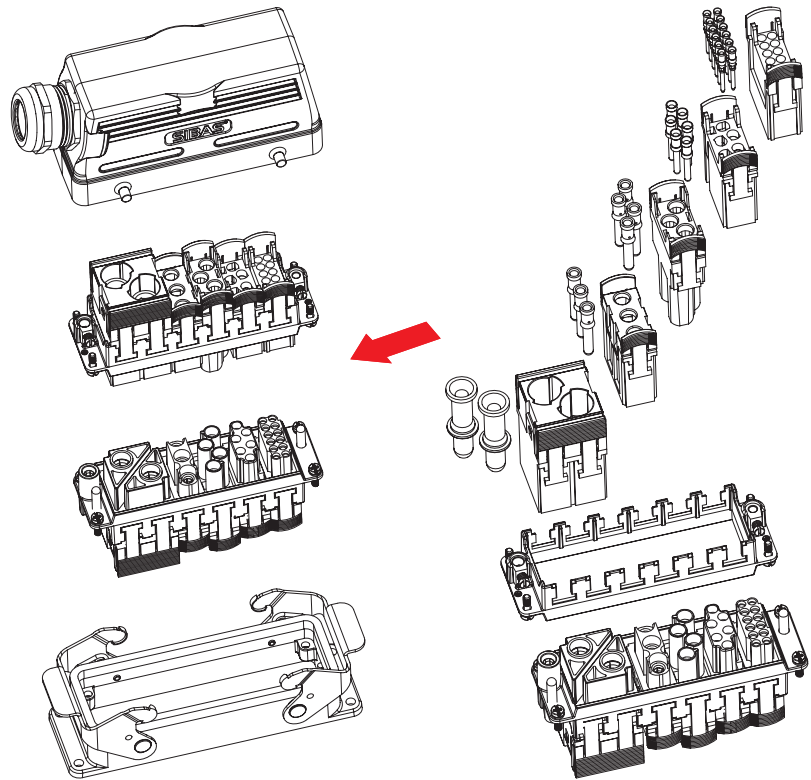
H16B



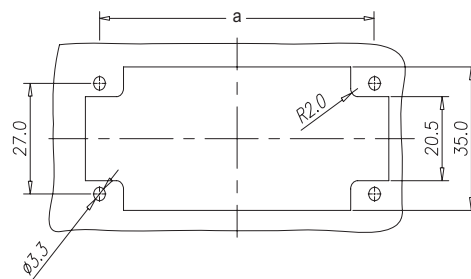
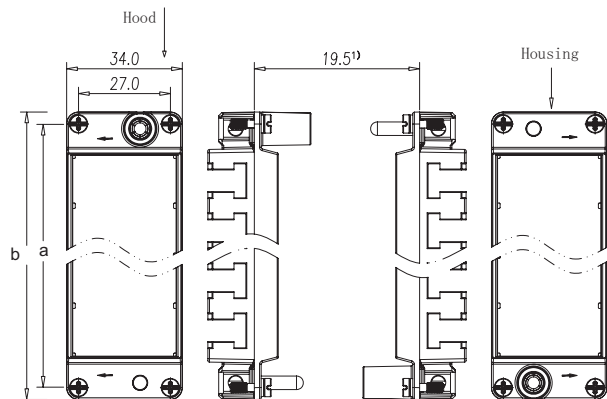
H24B



Modular units, install and remove without special tools!



HMN module fixing frame



Hood Housing	NO.of modules	a	b
H10A	1	49.5	56.5
H6B	2	44	51
H10B	3	57	64.1
H16B	4	77.5	84.5
H24B	6	104	111

Distance for electrical contacts max.21mm
20.5mm/For pneumatic contacts max.20.5mm
Each frame is composed of an upper and a lower bracket.

Parameter	Size	Order No.	Designation
H10A frame for 1 modules	H10A	2 07 910 4201 2 07 910 4101	H10A-T1-M H10A-T1-F
H6B frame for 2 modules	H6B	2 07 006 2101	H6BN-T2
H10B frame for 3 modules	H10B	2 07 010 2101	H10BN-T3
H16B frame for 4 modules	H16B	2 07 016 2101	H16BN-T4
H24B frame for 6 modules	H24B	2 07 024 2101	H24BN-T6

HMN Series HMN-001/D2/020 插入需要两边定位

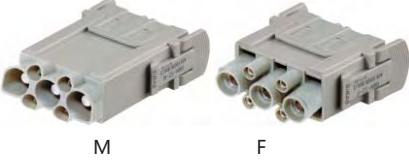
1-pos		1-pos		2-pos	
Axial screw terminal		Crimp terminal (Order crimp contacts separately)		Axial screw terminal	
Type	Male(M) HMN-001-M(25-40mm ²) Female(F) HMN-001-F(25-40mm ²)	Type	Male(M) HMN-001-MC Female(F) HMN-001-FC	Type	Male(M) HMN-D2-M(10-25mm ²) Female(F) HMN-D2-F(10-25mm ²)
Tech data	Rated current:200A Rated voltage :1000V Terminal: Axial screw terminal Wiregauge:25-40mm ² /40-70mm ²	Tech data	Rated current:200A Rated voltage :1000V Terminal: Crimp terminal Wiregauge:25-70mm ²	Tech data	Rated current : 100A Rated voltage : 1000V Terminal: Axial screw terminal Wiregauge:10-35mm ²
Type	Male(M) HMN-001-MD(40-70mm ²) Female(F) HMN-001-FD(40-70mm ²)			Type	Male(M) HMN-D2-MD(16-35mm ²) Female(F) HMN-D2-FD(16-35mm ²)
2-pos		2-pos		2-pos	
Crimp terminal (Order crimp contacts separately)		Axial screw terminal		Crimp terminal (Order crimp contacts separately)	
Type	Male(M) HMN-D2-MC Female(F) HMN-D2-FC	Type	Male(M) HMN-S2-M(2.5-8mm ²) Female(F) HMN-S2-F(2.5-8mm ²)	Type	Male(M) HMN-S2-MC Female(F) HMN-S2-FC
Tech data	Rated current:100A Rated voltage :1000V Terminal: Crimp terminal Wiregauge:10-35mm ²	Tech data	Rated current : 40A Rated voltage : 1000V Terminal: Axial screw terminal Wiregauge:2.5-8.0mm ² /6-10mm ²	Tech data	Rated current : 40A Rated voltage : 1000V Terminal: Crimp terminal Wiregauge:1.5-10.0mm ²
		Type	Male(M) HMN-S2-MD(6-10mm ²) Female(F) HMN-S2-FD(6-10mm ²)		
2-pos		2-pos		3-pos	
Axial screw terminal		Crimp terminal (Order crimp contacts separately)		Crimp terminal (Order crimp contacts separately)	
Type	Male(M) HMN-70A-M(6-16mm ²) Female(F) HMN-70A-F(6-16mm ²)	Type	Male(M) HMN-70A-MC(6-16mm ²) Female(F) HMN-70A-FC(6-16mm ²)	Type	Male(M) HMN-003-M Female(F) HMN-003-F
Tech data	Rated current : 70A Rated voltage : 1000V Terminal: Axial screw terminal Wiregauge:10-25mm ²	Tech data	Rated current : 70A Rated voltage : 1000V Terminal: Crimp terminal Wiregauge:10-25mm ²	Tech data	Rated current : 40A Rated voltage : 690V Terminal: Crimp terminal Wiregauge:1.5-10mm ²
Type	Male(M) HMN-70A-MD(14-22mm ²) Female(F) HMN-70A-FD(14-22mm ²)				

HMN Series




HMN-001/D2/020 插入需要两边定位

4-pos			4-pos			5-pos		
Crimp terminal (Order crimp contacts separately)			Suitable for SC contacts			Spring terminal		
Type	Male(M) Female(F)	HMN-004-M HMN-004-F	Type	Male(M) Female(F)	HMN-004-MS HMN-004-FSC	Type	Male(M) Female(F)	HMN-005-MS HMN-005-FS
Tech data	Rated current : 40A Rated voltage : 830V Terminal: Crimp terminal Wiregauge:1.5-6.0mm ²		Tech data	Rated current:16A,10A Rated voltage :400V,250V Terminal: Suitable for SC contacts Wiregauge:0.5-4.0mm ²		Tech data	Rated current : 16A Rated voltage : 400V Terminal: Spring terminal Wiregauge:0.14-2.5mm ²	
6-pos			6-pos			8-pos		
Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)		
Type	Male(M) Female(F)	HMN-006-M HMN-006-F	Type	Male(M) Female(F)	HMN-006-PM HMN-006-PF	Type	Male(M) Female(F)	HMN-008-M HMN-008-F
Tech data	Rated current:16A Rated voltage :500V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current : 16A Rated voltage : 830V Terminal : Crimp terminal Wiregauge : 0.14-4.0mm ²		Tech data	Rated current : 16A Rated voltage : 400V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²	
12-pos			17-pos			20-pos		
Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)			Crimp terminal (Order crimp contacts separately)		
Type	Male(M) Female(F)	HMN-012-M HMN-012-F	Type	Male(M) Female(F)	HMN-017-M HMN-017-F	Type	Male(M) Female(F)	HMN-020-M HMN-020-F
Tech data	Rated current:10A Rated voltage :250V Terminal: Crimp terminal Wiregauge:0.14-2.5mm ²		Tech data	Rated current : 10A Rated voltage : 160V Terminal : Crimp terminal Wiregauge : 0.14-2.5mm ²		Tech data	Rated current : 16A Rated voltage : 500V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²	

HMN Series HMN-001/D2/020 插入需要两边定位

25-pos		2 and 3-pos		Dummy module insert	
<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>	
Type	Male(M) Female(F)	HMN-025-M HMN-025-F	Type	Two poles Three poles	HMN-PA2 HMN-PA3
Tech data	Rated current : 5A Rated voltage : 50V Terminal: Crimp terminal Wiregauge:0.08-0.52mm ²		Tech data	Rated current:40A,10A Rated voltage :690V,250V Terminal: Crimp terminal Internal diameter :3mm/4mm/6mm	
				2 Poles Ø6.0mm	PENU-PA2-6.0
				3 Poles Ø1.6mm	PENU-PA3-1.6
				3 Poles Ø3.0mm	PENU-PA3-3.0
				3 Poles Ø4.0mm	PENU-PA3-4.0
2-pos		3/4		Quintax 2-pos	
<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>	
Type	Male(M) Female(F)	HMN-H2-M HMN-H2-F	Type	Male(M) Female(F)	HMN-3/4-M HMN-3/4-F
Tech data	Rated current:16A Rated voltage :2900V,5000V Terminal: Crimp terminal Wiregauge:0.14-4.0mm ²		Tech data	Rated current :10A,40A Rated voltage :830V Terminal :Crimp terminal Wiregauge :1.5-10mm ² /0.14-2.5mm ²	
				Rated current : 10A	
				Rated voltage : 50V	
				Terminal: Crimp terminal	
				Wiregauge:0.14-4.0mm ²	
Quintax 1-pos		Quintax 4-pos		Quintax 8-pos	
<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>		<p>Crimp terminal (Order crimp contacts separately)</p>  <p>M F</p>	
Type	Male(M) Female(F)	Quintax-001-M Quintax-001-F	Type	Male(M) Female(F)	Quintax-004-M Quintax-004-F
Tech data	Rated current:16A Rated voltage :50V Terminal: Crimp terminal Wiregauge:0.5-4.0mm ²		Tech data	Rated current : 10A Rated voltage : 50V Terminal : Crimp terminal Wiregauge : 0.14-2.5mm ²	
				Rated current : 5A	
				Rated voltage : 50V	
				Terminal: Crimp terminal	
				Wiregauge:0.08-0.52mm ²	

HMN Series	HMN-001/D2/020 插入需要两边定位
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D-Sub		RJ45		Pneumatic contacts											
<p>Crimp terminal (Order crimp contacts separately)</p>  <p style="display: flex; justify-content: space-around;">M F</p>		 <p style="display: flex; justify-content: space-around;">M F</p>													
Type	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Male(M)</td> <td>HMN-009-M</td> </tr> <tr> <td>Female(F)</td> <td>HMN-009-F</td> </tr> </table>	Male(M)	HMN-009-M	Female(F)	HMN-009-F	Type	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Male(M)</td> <td>HMN-RJ45-M</td> </tr> <tr> <td>Female(F)</td> <td>HMN-RJ45-F</td> </tr> </table>	Male(M)	HMN-RJ45-M	Female(F)	HMN-RJ45-F	Type	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Inserts</td> <td>HMN-DM</td> </tr> </table>	Inserts	HMN-DM
Male(M)	HMN-009-M														
Female(F)	HMN-009-F														
Male(M)	HMN-RJ45-M														
Female(F)	HMN-RJ45-F														
Inserts	HMN-DM														
Tech data	Rated current : 5A Rated voltage : 50V Terminal: Crimp terminal	Tech data	Rated current :1A Rated voltage :50V Terminal: Crimp terminal Wiregauge:0.89-0.99mm ² ,0.94-1.07mm ²												

Crimping tools and remove tools

Crimp tool

Wire range:0.5-4.0mm²
Used for HD,HDD,HEE contacts



Type	CRIMPBOX-0.5/4
Order No.	3 10 000 0001

Crimp tool

Wire range:4.0-10.0mm²
Used for 40A contacts



Type	CRIMPBOX-4.0/10.0
Order No.	3 10 000 1001

Crimping tools and remove tools

Remove tools

Used for HEE series remove tools



Type	REMOV-HEE
Order No.	3 10 000 0002

Remove tools

Used for HEEE series remove tools



Type	REMOV-HEEE
Order No.	3 10 000 0016

Crimping tools and remove tools

Remove tools

Used for HD/HDD series remove tools



Type	REMOV-HD
Order No.	3 10 000 0003

Remove tools

Used for CMM/CMF series remove tools



Type	REMOV-MM
Order No.	3 10 000 0013

Axial screw tool and crimping tool

M3 screw driver

Used for HA/HE inserts



Type	SCREWD-M3
Order No.	3 10 000 0009

Tool

Used for 100A inserts



Type	HEXA-D1
Order No.	3 10 000 0010

Axial screw tool and crimping tool

Tool

Used for 40A inserts



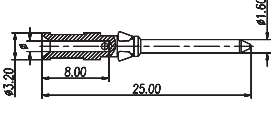

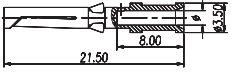

Type	HEXA-D2
Order No.	3 10 000 0012

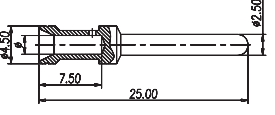

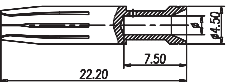

Crimping tool

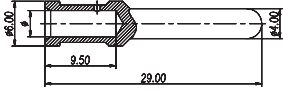

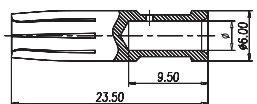

Wire range:10.0-120.0mm²
Used for 200A contacts

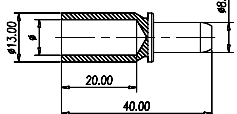

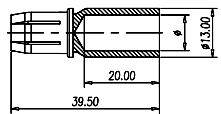



Type	CRIMPBOX-10/120
Order No.	3 10 000 0015

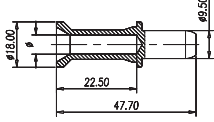


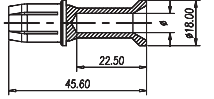
10A Contact Tech data Material:copper Contact resistance:≤3mΩ Terminal:crimp connection	10A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		鍍金冷壓接插針 Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		0.14mm ²	AWG26-22	8.0mm	CDM-0.14	2 02 000 1002	DDM-0.14	2 02 001 1002
		0.5mm ²	AWG20	8.0mm	CDM-0.5	2 02 000 1005	DDM-0.5	2 02 001 1005
		0.75mm ²	AWG18	8.0mm	CDM-0.75	2 02 000 1008	DDM-0.75	2 02 001 1008
		1.0mm ²	AWG18	8.0mm	CDM-1.0	2 02 000 1010	DDM-1.0	2 02 001 1010
		1.5mm ²	AWG16	8.0mm	CDM-1.5	2 02 000 1015	DDM-1.5	2 02 001 1015
		2.5mm ²	AWG14	6.0mm	CDM-2.5	2 02 000 1025	DDM-2.5	2 02 001 1025
CDM Male 	10A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
			Type		Order NO.	Type	Order NO.	
		0.14mm ²	AWG26-22	8.0mm	CDF-0.14	2 02 000 2002	DDF-0.14	2 03 001 2002
		0.5mm ²	AWG20	8.0mm	CDF-0.5	2 02 000 2005	DDF-0.5	2 03 001 2005
		0.75mm ²	AWG18	8.0mm	CDF-0.75	2 02 000 2008	DDF-0.75	2 03 001 2008
		1.0mm ²	AWG18	8.0mm	CDF-1.0	2 02 000 2010	DDF-1.0	2 03 001 2010
		1.5mm ²	AWG16	8.0mm	CDF-1.5	2 02 000 2015	DDF-1.5	2 03 001 2015
		2.5mm ²	AWG14	6.0mm	CDF-2.5	2 02 000 2025	DDF-2.5	2 03 001 2025
CDF Female 								

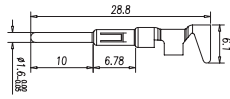


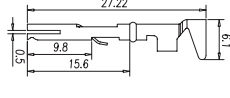
16A Contact Tech data Material:copper Contact resistance:≤1mΩ Terminal:crimp connection	16A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		0.14-0.37mm ²	AWG26-22	7.5mm	CEM-0.3	2 03 000 1002	DEM-0.3	2 03 001 1002
		0.5mm ²	AWG20	7.5mm	CEM-0.5	2 03 000 1005	DEM-0.5	2 03 001 1005
		0.75mm ²	AWG18	7.5mm	CEM-0.75	2 03 000 1008	DEM-0.75	2 03 001 1008
		1.0mm ²	AWG18	7.5mm	CEM-1.0	2 03 000 1010	DEM-1.0	2 03 001 1010
		1.5mm ²	AWG16	7.5mm	CEM-1.5	2 03 000 1015	DEM-1.5	2 03 001 1015
		2.5mm ²	AWG14	7.5mm	CEM-2.5	2 03 000 1025	DEM-2.5	2 03 001 1025
		4.0mm ²	AWG12	7.5mm	CEM-4.0	2 03 000 1040	DEM-4.0	2 03 001 1040
CEM Male 	16A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
			Type		Order NO.	Type	Order NO.	
		0.14-0.37mm ²	AWG26-22	7.5mm	CEF-0.3	2 03 000 2002	DEF-0.3	2 03 001 2002
		0.5mm ²	AWG20	7.5mm	CEF-0.5	2 03 000 2005	DEF-0.5	2 03 001 2005
		0.75mm ²	AWG18	7.5mm	CEF-0.75	2 03 000 2008	DEF-0.75	2 03 001 2008
		1.0mm ²	AWG18	7.5mm	CEF-1.0	2 03 000 2010	DEF-1.0	2 03 001 2010
		1.5mm ²	AWG16	7.5mm	CEF-1.5	2 03 000 2015	DEF-1.5	2 03 001 2015
		2.5mm ²	AWG14	7.5mm	CEF-2.5	2 03 000 2025	DEF-2.5	2 03 001 2025
		4.0mm ²	AWG12	7.5mm	CEF-4.0	2 03 000 2040	DEF-4.0	2 03 001 2040
CEF Female 								

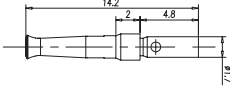


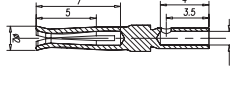
40A Contact Tech data Material:copper Contact resistance:≤0.3mΩ Terminal:crimp connection	40A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		1.5mm ²	AWG16	8.0mm	CMM-1.5	2 04 000 1015	DMM-1.5	2 04 001 1015
		2.5mm ²	AWG14	8.0mm	CMM-2.5	2 04 000 1025	DMM-2.5	2 04 001 1025
		4.0mm ²	AWG12	8.0mm	CMM-4.0	2 04 000 1040	DMM-4.0	2 04 001 1040
		6.0mm ²	AWG10	8.0mm	CMM-6.0	2 04 000 1060	DMM-6.0	2 04 001 1060
		10mm ²	AWG7	8.0mm	CMM-10	2 04 000 1100	DMM-10	2 04 001 1100
CMM Male 	40A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
			Type		Order NO.	Type	Order NO.	
		1.5mm ²	AWG16	8.0mm	CMF-1.5	2 04 000 2015	DMF-1.5	2 04 001 2015
		2.5mm ²	AWG14	8.0mm	CMF-2.5	2 04 000 2025	DMF-2.5	2 04 001 2025
		4.0mm ²	AWG12	8.0mm	CMF-4.0	2 04 000 2040	DMF-4.0	2 04 001 2040
		6.0mm ²	AWG10	8.0mm	CMF-6.0	2 04 000 2060	DMF-6.0	2 04 001 2060
		10mm ²	AWG7	8.0mm	CMF-10	2 04 000 2100	DMF-10	2 04 001 2100
CMF Female 								



100A Contact Tech data Material:copper Contact resistance:≤1mΩ Terminal:crimp connection	100A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
			∅		Type	Order NO.	Type	Order NO.
		10mm ²	4.3	19mm	CNM-10	2 05 000 1010	DNM-10	2 05 001 1010
		16mm ²	5.5	19mm	CNM-16	2 05 000 1016	DNM-16	2 05 001 1016
		25mm ²	7	19mm	CNM-25	2 05 000 1025	DNM-25	2 05 001 1025
		35mm ²	8.2	16mm	CNM-35	2 05 000 1035	DNM-35	2 05 001 1035
CNM Male 	100A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
			Type		Order NO.	Type	Order NO.	
		10mm ²	4.3	19mm	CNF-10	2 05 000 2010	DNF-10	2 05 001 2010
		16mm ²	5.5	19mm	CNF-16	2 05 000 2016	DNF-16	2 05 001 2016
		25mm ²	7	19mm	CNF-25	2 05 000 2025	DNF-25	2 05 001 2025
		35mm ²	8.2	16mm	CNF-35	2 05 000 2035	DNF-35	2 05 001 2035
CNF Female 								

Crimp contacts

200A Contact Tech data Material:copper Contact resistance:≤0.3mΩ Terminal:crimp connection	200A Male crimp contacts 	Wire gauge	∅	Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
CHM Male  CHF Female 	200A Female crimp contacts 	Wire gauge	∅	Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		25mm ²	7.0	22.5mm	CHM-25	2 06 000 1025	DHM-25	2 06 001 1025
		35mm ²	8.2	22.5mm	CHM-35	2 06 000 1035	DHM-35	2 06 001 1035
		50mm ²	10.0	22.5mm	CHM-50	2 06 000 1050	DHM-50	2 06 001 1050
		70mm ²	11.5	22.5mm	CHM-70	2 06 000 1070	DHM-70	2 06 001 1070
		25mm ²	7.0	22.5mm	CHF-25	2 06 000 2025	DHF-25	2 06 001 2025
		35mm ²	8.2	22.5mm	CHF-35	2 06 000 2035	DHF-35	2 06 001 2035
		50mm ²	10.0	22.5mm	CHF-50	2 06 000 2050	DHF-50	2 06 001 2050
		70mm ²	11.5	22.5mm	CHF-70	2 06 000 2070	DHF-70	2 06 001 2070

Cage-clamp terminal Tech data Material:copper Contact resistance:≤3mΩ Terminal:crimp connection	10A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
CJM Male  CJF Female 	10A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		0.14-0.5mm ²	AWG26-20	4.0mm	CJM-14	2 20 000 1005	DJM-14	2 20 001 1005
		0.5-1.5mm ²	AWG20-16	4.0mm	CJM-50	2 20 000 1010	DJM-50	2 20 001 1010
		1.5-2.5mm ²	AWG16-14	4.0mm	CJM-150	2 20 000 1025	DJM-150	2 20 001 1025
		0.14-0.5mm ²	AWG26-20	4.0mm	CJF-14	2 20 000 2005	DJF-14	2 20 001 2005
		0.5-1.5mm ²	AWG20-16	4.0mm	CJF-50	2 20 000 2010	DJF-50	2 20 001 2010
		1.5-2.5mm ²	AWG16-14	4.0mm	CJF-150	2 20 000 2025	DJF-150	2 20 001 2025

5A Contact Tech data Material:copper Contact resistance:≤1mΩ Terminal:crimp connection	5A Male crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
CAM Male  CAF Female 	5A Female crimp contacts 	Wire gauge		Stripping length	Crimp contacts,silver-plated		Crimp contacts,gold-plated	
					Type	Order NO.	Type	Order NO.
		0.08-0.21mm ²	AWG28-24	5.0mm	CAM-08	2 07 000 1008	DAM-08	2 07 001 1008
		0.13-0.33mm ²	AWG26-22	5.0mm	CAM-13	2 07 000 1013	DAM-13	2 07 001 1013
		0.33-0.52mm ²	AWG22-20	5.0mm	CAM-33	2 07 000 1033	DAM-33	2 07 001 1033
		0.08-0.21mm ²	AWG28-24	5.0mm	CAF-08	2 07 000 2008	DAF-08	2 07 001 2008
		0.13-0.33mm ²	AWG26-22	5.0mm	CAF-13	2 07 000 2013	DAF-13	2 07 001 2013
		0.33-0.52mm ²	AWG22-20	5.0mm	CAF-33	2 07 000 2033	DAF-33	2 07 001 2033

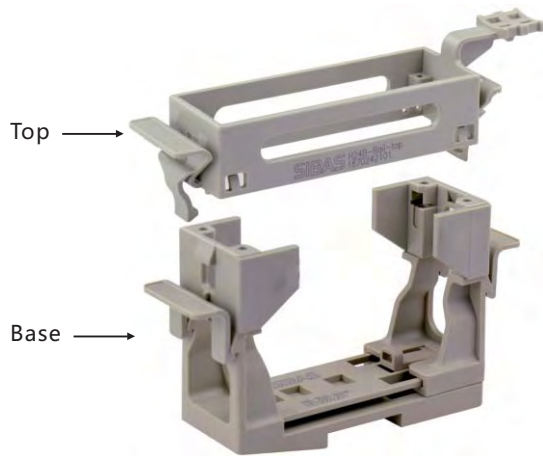
PCB Adapter 			
Type	PCB-adapter-EE	Type	CEF-adapter
Order No.	2 04 000 0000	Order No.	2 03 000 2000



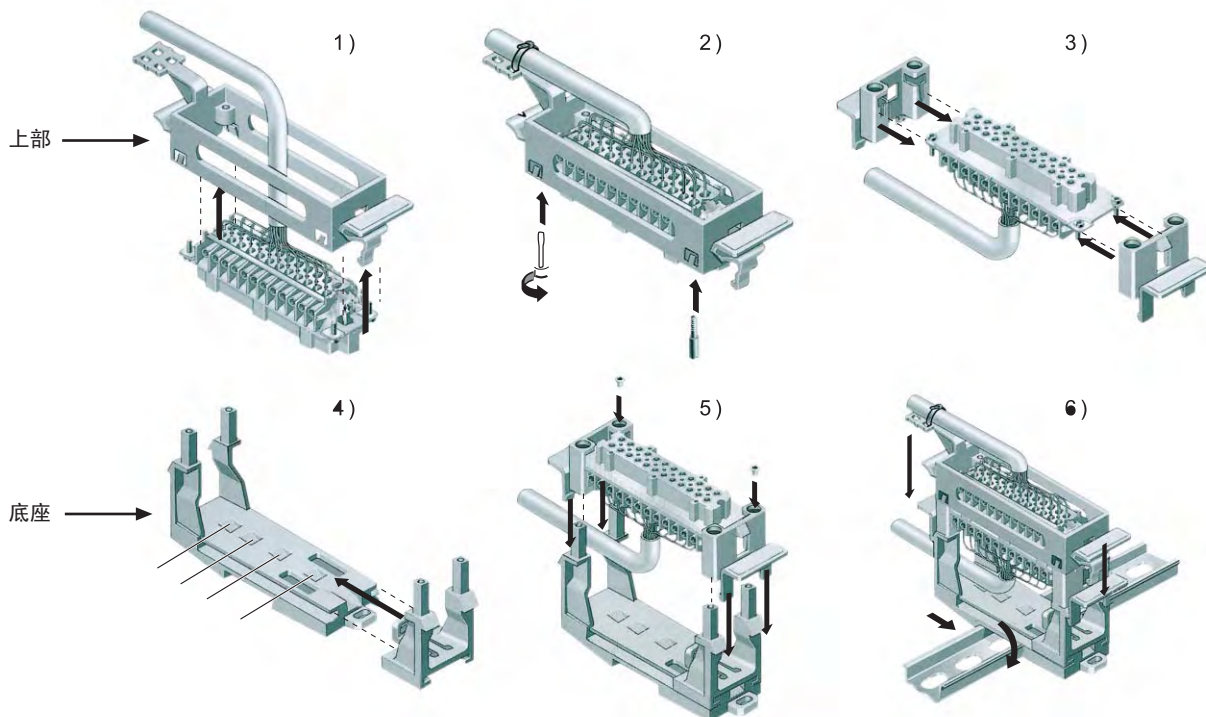
Set

Insert mounting with carrier element

Set include: Top and base frame




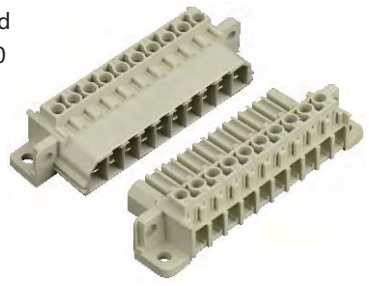


Set order		Type	Order NO.
H6B Set		H6B-Rail-set	1 87 006 2000
H10B Set		H10B-Rail-set	1 87 010 2000
H16B Set		H16B-Rail-set	1 87 016 2000
H24B Set		H24B-Rail-set	1 87 024 2000
Parts order		Type	Order NO.
H6B set	Top	H6B-Rail-top	1 87 006 2101
	Base	HB-Rail-base	1 87 000 2201
H10B set	Top	H10B-Rail-top	1 87 010 2101
	Base	HB-Rail-base	1 87 000 2201
H16B set	Top	H16B-Rail-top	1 87 016 2101
	Base	HB-Rail-base	1 87 000 2201
H24B set	Top	H24B-Rail-top	1 87 024 2101
	Base	HB-Rail-base	1 87 000 2201



Modular elements(Traditional)		Type	Order NO.
Traditional Module clamp without wire clamp		HM-MHZ	3 10 000 9900
Traditional Module clamp with wire clamp		HM-MHOZ	3 10 000 9901
Traditional Module clamp for rail		HM-RAIL	3 10 000 9903

















Coding of Hoods/Housings and inserts		Type	Order NO.
Standard code pin	For hoods/housings with one insert/one frame	Ordinary type	Ordinary type
		COD-PIN-M3	0 93 100 3003
		Stainless steel	Stainless steel
		COD-PIN-M3-S	0 93 110 3003
Stainless steel			

Standard code pin	Ordinary type	Ordinary type	Ordinary type
		CODING-PIN-M3-TM	0 93 100 0423
	king-size	CODING-PIN-M3-TF	0 93 100 6524
		Stainless steel	Stainless steel
		CODING-PIN-M3-STM	0 93 110 0423
		CODING-PIN-M3-STF	0 93 110 6524
		king-size	king-size
		CODING-PIN-M3-LTM	0 93 100 0425
Stainless steel		CODING-PIN-M3-LTF	0 93 100 6527
		Stainless steel , king-size	Stainless steel , king-size
		CODING-PIN-M3-LSTM	0 93 110 0425
		CODING-PIN-M3-LSTF	0 93 110 6527

	Designation	Type	Order NO.			
<p>2 and 3-poles connector Rated:25A,500V Contact surface:Silver plated Flammability acc.to UL94:V0 Terminal:Screw terminal</p> 	2 poles male insert	HSC-002-M	2 80 002 2201			
	2 poles female insert	HSC-002-F	2 80 002 2301			
	3 poles male insert	HSC-003-M	2 80 003 2201			
	3 poles female insert	HSC-003-F	2 80 003 2301			
	<p>10-poles connector Rated:25A,500V Contact surface:Silver plated Flammability acc.to UL94:V0 Terminal:Screw terminal</p> 			kits	HSC-10	2 80 010 2101
				Male insert	HSC-10-M	2 80 010 2201
			Female insert	HSC-10-F	2 80 010 2301	
<p>10-poles connector with fixing foot for mounting rail Rated:25A,500V Contact surface:Silver plated Flammability acc.to UL94:V0 Terminal:Screw terminal</p> 	kits	HSC-10-R	2 80 010 3101			
	Male insert	HSC-10-R-M	2 80 010 3201			
	Female insert	HSC-10-R-F	2 80 010 3301			
<p>10 or 20 poles connector with wire clamp and fixing foot for mounting rail Rated:25A,500V Contact surface:Silver plated Flammability acc.to UL94:V0 Terminal:Screw terminal</p> 	10-poles kits	HSC-10-RC	2 80 010 4101			
	Male insert	HSC-10-RC-M	2 80 010 4201			
	Female insert	HSC-10-RC-F	2 80 010 4301			
	20-poles kits	HSC-20-RC	2 80 020 2101			
	Male insert	HSC-20-RC-M	2 80 020 2201			
	Female insert	HSC-20-RC-F	2 80 020 2301			

HA hoods and housings





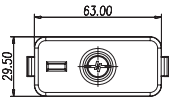
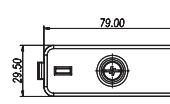














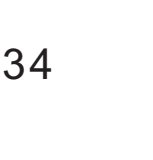
H3A include metal and plastic shells.
Levers include metal, plastic and stainless steel.


H3A metal hoods,housings	Metr.	PG	Type	Thermoplastic hoods, housings	Metr.	PG	Type
Top entry 	M20	PG11	H3A-MTG-PG11 H3A-MTG-M20	Top entry 	M20	PG11	H3A-TG-PG11 H3A-TG-M20
Side entry 	M20	PG11	H3A-MTS-PG11 H3A-MTS-M20	Side entry 	M20	PG11	H3A-TS-PG11 H3A-TS-M20
Bulkhead mounting:Bottom entry 			H3A-MAG	Bulkhead mounting:Bottom entry 			H3A-AG
Bulkhead mounting:Side entry 			H3A-MAGS	Bulkhead mounting:Side entry 			H3A-AGS
Surface mounting:Side entry 	M16 M20	PG11	H3A-MAGSV-PG11 H3A-MAGSV-M16 H3A-MAGSV-M20	Surface mounting:Side entry 	M16 M20	PG11	H3A-AGSV-PG11 H3A-AGSV-M16 H3A-AGSV-M20
Cable-to-cable hood: 	M20	PG11	H3A-MTGVB-PG11 H3A-MTGVB-M20	Cable-to-cable hood: 	M20	PG11	H3A-TGVB-PG11 H3A-TGVB-M20
Protection covers for hoods (thermoplastic) 			Note: For mounted male insert and hood H3A-KDTP	Protection covers for hoods 			Note: For mounted male insert and hood H3A-KDTP
Metal protection covers for hoods 			Note: For mounted female insert and housings H3A-KDB	Protection covers for hoods 			Note: For mounted male insert and housings H3A-KDBP(White) H3A-KDBPG(Grey)

HA series hoods and housings

H10A: Include metal and stainless steel lever.











H16A: Include metal and stainless steel lever.

H10A metal hoods, housings	Metr.	PG	Type	H16A metal hoods, housings	Metr.	PG	Type
Hood:Side entry 	M20 M25	PG16 PG21	H10A-TS-PG16 H10A-TS-PG21 H10A-TS-M20 H10A-TS-M25	Hood:Side entry 	M20 M25	PG16 PG21	H16A-TS-PG16 H16A-TS-PG21 H16A-TS-M20 H16A-TS-M25
Hood:Top entry 		PG21	H10A-TSH-PG21 H10A-TSH-M25	Hood:Top entry 		PG21	H16A-TSH-PG21 H16A-TSH-M25
	Protection covers for hoods 		H10A-KDT		Protection covers for hoods 		H16A-KDT
Bulkhead mounted  				H10A-AG H10A-AD			
	Surface mounted:Side entry  	M20 M25	PG16 PG21		H10A-SGR-PG16 H10A-SGR-PG21 H10A-SGR-M20 H10A-SGR-M25	Surface mounted:Side entry 	M20 M25
Surface mounted:Side entry  			M20 M25	PG16 PG21	H10A-SGR-2PG16 H10A-SGR-2PG21 H10A-SGR-2M20 H10A-SGR-2M25		
	Surface mounted:Side entry  	M20 M25		PG16 PG21	H10A-SDR-PG16 H10A-SDR-PG21 H10A-SDR-M20 H10A-SDR-M25	Surface mounted:Side entry 	M20 M25
Surface mounted:Side entry  			M20 M25	PG16 PG21	H10A-SDR-2PG16 H10A-SDR-2PG21 H10A-SDR-2M20 H10A-SDR-2M25		
	Cable-to-cable hood 	M20 M25		PG16	H10A-TBF-PG16 H10A-TBF-M20 H10A-TBF-M25	Cable-to-cable hood 	M20 M25
Cable-to-cable hood 			M25	PG21	H10A-TBFH-PG21 H10A-TBFH-M25		

H32A metal hoods, housings	Metr.	PG	Type	H8A Thermoplastic hoods, housings	Metr.	PG	Type
Hood:Side entry 	M25 M32 M40	PG21 PG29 PG36	H32A-TS-PG21 H32A-TS-PG29 H32A-TS-PG36 H32A-TS-M25 H32A-TS-M32 H32A-TS-M40	Hood:Side entry 	M20	PG16	H8A-TS-PG16 H8A-TS-M20
Hood:Top entry 				Hood:Top entry 			
Bulkhead mounted 			H32A-AG	Bulkhead mounted 			H8A-AG
Surface mounted:Side entry 	M25 M32	PG21 PG29	H32A-SGR-PG21 H32A-SGR-PG29 H32A-SGR-M25 H32A-SGR-M32				H1M-TG
				M25 M32	PG21 PG29	H32A-SGR-2PG21 H32A-SGR-2PG29 H32A-SGR-2M25 H32A-SGR-2M32	
							













H6B series hoods and housings

H6B Levers include metal, plastic and stainless steel.
 H6B cover include plastic and metal covers.

H6B metal hoods	Metr.	PG	Type	H6B metal housings	Metr.	PG	Type
Hood:Side entry				Bulkhead mounted			
	M20 M25	PG16 PG21	H6B-TS-PG16 H6B-TS-PG21 H6B-TS-M20 H6B-TS-M25				H6B-AG
	M20 M25 M32	PG21 PG29	H6B-TSH-PG21 H6B-TSH-PG29 H6B-TSH-M20 H6B-TSH-M25 H6B-TSH-M32				H6B-AD
Hood:Top entry				Surface mounted:Side entry			
	M20 M25	PG16 PG21	H6B-TG-PG16 H6B-TG-PG21 H6B-TG-M20 H6B-TG-M25		Low construction 1 Side entry 2 Side entry	PG16 PG21 M20 M25 PG16 PG21 M20 M25	H6B-SGR-PG16 H6B-SGR-PG21 H6B-SGR-M20 H6B-SGR-M25 H6B-SGR-2PG16 H6B-SGR-2PG21 H6B-SGR-2M20 H6B-SGR-2M25
	M20 M25 M32	PG21 PG29	H6B-TGH-PG21 H6B-TGH-PG29 H6B-TGH-M20 H6B-TGH-M25 H6B-TGH-M32		High construction 1 Side entry 2 Side entry	PG21 PG29 M25 M32 PG21 PG29 M25 M32	H6B-SGRH-PG21 H6B-SGRH-PG29 H6B-SGRH-M25 H6B-SGRH-M32 H6B-SGRH-2PG21 H6B-SGRH-2PG29 H6B-SGRH-2M25 H6B-SGRH-2M32
Cable-to-cable hood					Low construction 1 Side entry 2 Side entry	PG16 PG21 M20 M25 PG16 PG21 M20 M25	H6B-SDR-PG16 H6B-SDR-PG21 H6B-SDR-M20 H6B-SDR-M25 H6B-SDR-2PG16 H6B-SDR-2PG21 H6B-SDR-2M20 H6B-SDR-2M25
	Low construction High construction	PG16 PG21 PG29	H6B-TBF-PG16 H6B-TBF-M20 H6B-TBF-M25 H6B-TBFH-PG21 H6B-TBFH-PG29 H6B-TBFH-M20 H6B-TBFH-M25 H6B-TBFH-M32		High construction 1 Side entry 2 Side entry	PG21 PG29 M25 M32 PG21 PG29 M25 M32	H6B-SDRH-PG21 H6B-SDRH-PG29 H6B-SDRH-M25 H6B-SDRH-M32 H6B-SDRH-2PG21 H6B-SDRH-2PG29 H6B-SDRH-2M25 H6B-SDRH-2M32
Protection covers for hoods							
			H6B-KDTP				












H10B with 2 levers on the hoods/housings

H10B Levers include metal, plastic and stainless steel.
 H10B cover include plastic and metal covers.

H10B metal hoods	Metr.	PG	Type	H10B metal housings	Metr.	PG	型号/Type
Hood:Side entry				Bulkhead mounted			
	M20 M25	PG16 PG21	H10B-TS-PG16 H10B-TS-PG21 H10B-TS-M20 H10B-TS-M25				H10B-AG
	M20 M25 M32	PG21 PG29	H10B-TSH-PG21 H10B-TSH-PG29 H10B-TSH-M20 H10B-TSH-M25 H10B-TSH-M32	Surface mounted:Side entry	1 Side entry Low construction M20 M25 2 Side entry High construction M20 M25	PG16 PG21 PG16 PG21	H10B-SGR-PG16 H10B-SGR-PG21 H10B-SGR-M20 H10B-SGR-M25 H10B-SGR-2PG16 H10B-SGR-2PG21 H10B-SGR-2M20 H10B-SGR-2M25
Hood:Top entry					1 Side entry High construction M25 M32 2 Side entry Low construction M25 M32	PG21 PG29 PG21 PG29	H10B-SGRH-PG21 H10B-SGRH-PG29 H10B-SGRH-M25 H10B-SGRH-M32 H10B-SGRH-2PG21 H10B-SGRH-2PG29 H10B-SGRH-2M25 H10B-SGRH-2M32
	M20 M25	PG16 PG21	H10B-TG-PG16 H10B-TG-PG21 H10B-TG-M20 H10B-TG-M25	Side entry housing with two levers	Low construction M20 M25 High construction M25 M32	PG16 PG21 PG21 PG29	H10B-TSB-PG16 H10B-TSB-PG21 H10B-TSB-M20 H10B-TSB-M25 H10B-TSBH-PG21 H10B-TSBH-PG29 H10B-TSBH-M25 H10B-TSBH-M32
	M20 M25 M32	PG21 PG29	H10B-TGH-PG21 H10B-TGH-PG29 H10B-TGH-M20 H10B-TGH-M25 H10B-TGH-M32		Low construction M20 M25 High construction M25 M32	PG16 PG21 PG21 PG29	H10B-TGB-PG16 H10B-TGB-PG21 H10B-TGB-M20 H10B-TGB-M25 H10B-TGBH-PG21 H10B-TGBH-PG29 H10B-TGBH-M25 H10B-TGBH-M32
Cable-to-cable hood				Top entry housing with two levers	Low construction M20 M25 High construction M25 M32	PG16 PG21 PG21 PG29	H10B-TBF-PG16 H10B-TBF-M20 H10B-TBF-M25 H10B-TBFH-PG21 H10B-TBFH-PG29 H10B-TBFH-M25 H10B-TBFH-M32
	M20 M25	PG16 PG21 PG29	H10B-TBF-PG16 H10B-TBF-M20 H10B-TBF-M25 H10B-TBFH-PG21 H10B-TBFH-PG29 H10B-TBFH-M25 H10B-TBFH-M32		Low construction M20 M25 High construction M25 M32	PG16 PG21 PG21 PG29	H10B-TGBH-PG21 H10B-TGBH-PG29 H10B-TGBH-M25 H10B-TGBH-M32
Protection covers for hoods				Bulkhead mounting with 4 bolts			
			H10B-KDTP				H10B-AD-BO
Housing protection cover					1 Side entry Low construction M20 M25 2 Side entry High construction M20 M25 1 Side entry High construction M25 M32 2 Side entry High construction M25 M32	PG16 PG21 PG16 PG21 PG21 PG29 PG21 PG29	H10B-SDR-BO-PG16 H10B-SDR-BO-PG21 H10B-SDR-BO-M20 H10B-SDR-BO-M25 H10B-SDR-BO-2PG16 H10B-SDR-BO-2PG21 H10B-SDR-BO-2M20 H10B-SDR-BO-2M25 H10B-SDRH-BO-PG21 H10B-SDRH-BO-PG29 H10B-SDRH-BO-M25 H10B-SDRH-BO-M32 H10B-SDRH-BO-2PG21 H10B-SDRH-BO-2PG29 H10B-SDRH-BO-2M25 H10B-SDRH-BO-2M32















H10B with 1 levers on the hoods/housings

H10B Levers include metal, plastic and stainless steel.
H10B cover include plastic and metal covers.

H10B metal hoods	Metr.	PG	Type	H10B metal housings	Metr.	PG	Type
Hood:Side entry				Bulkhead mounted			
	M20 M25	PG16 PG21	H10B-TS-RO-PG16 H10B-TS-RO-PG21 H10B-TS-RO-M20 H10B-TS-RO-M25				H10B-AG-LB
	M20 M25 M32	PG21 PG29	H10B-TSH-RO-PG21 H10B-TSH-RO-PG29 H10B-TSH-RO-M20 H10B-TSH-RO-M25 H10B-TSH-RO-M32				H10B-AD-LB
Hood:Top entry				Surface mounted:Side entry			
	M20 M25	PG16 PG21	H10B-TG-RO-PG16 H10B-TG-RO-PG21 H10B-TG-RO-M20 H10B-TG-RO-M25		1 Side entry Low construction	PG16 PG21 M20 M25	H10B-SGR-LB-PG16 H10B-SGR-LB-PG21 H10B-SGR-LB-M20 H10B-SGR-LB-M25 H10B-SGR-LB-2PG16 H10B-SGR-LB-2PG21 H10B-SGR-LB-2M20 H10B-SGR-LB-2M25
	M20 M25 M32	PG21 PG29	H10B-TGH-RO-PG21 H10B-TGH-RO-PG29 H10B-TGH-RO-M20 H10B-TGH-RO-M25 H10B-TGH-RO-M32		High construction	M20 M25 M32	PG21 PG29 H10B-SGRH-LB-PG21 H10B-SGRH-LB-PG29 H10B-SGRH-LB-M25 H10B-SGRH-LB-M32 H10B-SGRH-LB-2PG21 H10B-SGRH-LB-2PG29 H10B-SGRH-LB-2M25 H10B-SGRH-LB-2M32
Cable-to-cable hood							
	M20 M25	PG16	H10B-TBF-LB-PG16 H10B-TBF-LB-M20 H10B-TBF-LB-M25		1 Side entry Low construction	M20 M25	PG16 PG21 H10B-SDR-LB-PG16 H10B-SDR-LB-PG21 H10B-SDR-LB-M20 H10B-SDR-LB-M25 H10B-SDR-LB-2PG16 H10B-SDR-LB-2PG21 H10B-SDR-LB-2M20 H10B-SDR-LB-2M25
	M20 M25	PG21 PG29	H10B-TBFH-LB-PG21 H10B-TBFH-LB-PG29 H10B-TBFH-LB-M25 H10B-TBFH-LB-M32		High construction	M25 M32	PG21 PG29 H10B-SDRH-LB-PG21 H10B-SDRH-LB-PG29 H10B-SDRH-LB-M25 H10B-SDRH-LB-M32 H10B-SDRH-LB-2PG21 H10B-SDRH-LB-2PG29 H10B-SDRH-LB-2M25 H10B-SDRH-LB-2M32
Protection covers for hoods							
			H10B-KDTP-LB				














H16B with 2 levers on the hoods/housings

H16B Levers include metal, plastic and stainless steel.
H16B cover include plastic and metal covers.

H16B metal hoods	Metr.	PG	Type	H16B metal housings	Metr.	PG	Type
Hood:Side entry  	M25 M32	PG16 PG21	H16B-TS-PG16 H16B-TS-PG21 H16B-TS-M25 H16B-TS-M32	Bulkhead mounted 			H16B-AG
	M25 M32 M40	PG21 PG29	H16B-TSH-PG21 H16B-TSH-PG29 H16B-TSH-M25 H16B-TSH-M32 H16B-TSH-M40	Surface mounted:Side entry 	1 Side entry Low construction 2 Side entry High construction	PG21 PG21 PG21 PG29 PG21 PG29	H16B-SGR-PG21 H16B-SGR-M25 H16B-SGR-2PG21 H16B-SGR-2M25 H16B-SGRH-PG21 H16B-SGRH-PG29 H16B-SGRH-M25 H16B-SGRH-M32 H16B-SGRH-2PG21 H16B-SGRH-2PG29 H16B-SGRH-2M25 H16B-SGRH-2M32
Hood:Top entry  	M25 M32	PG16 PG21	H16B-TG-PG16 H16B-TG-PG21 H16B-TG-M25 H16B-TG-M32	Side entry housing with two levers 	Low construction High construction	PG16 PG21 PG29	H16B-TSB-PG16 H16B-TSB-PG21 H16B-TSB-M20 H16B-TSB-M25 H16B-TSBH-PG21 H16B-TSBH-PG29 H16B-TSBH-M25 H16B-TSBH-M32
	M25 M32 M40	PG21 PG29	H16B-TGH-PG21 H16B-TGH-PG29 H16B-TGH-M25 H16B-TGH-M32 H16B-TGH-M40	Top entry housing with two levers 	Low construction High construction	PG16 PG21 PG21 PG29	H16B-TGB-PG16 H16B-TGB-PG21 H16B-TGB-M20 H16B-TGB-M25 H16B-TGBH-PG21 H16B-TGBH-PG29 H16B-TGBH-M25 H16B-TGBH-M32
Cable-to-cable hood 	M25 M32	PG21	H16B-TBF-PG21 H16B-TBF-M25 H16B-TBF-M32				
	M25 M32 M40	PG21 PG29	H16B-TBFH-PG21 H16B-TBFH-PG29 H16B-TBFH-M25 H16B-TBFH-M32 H16B-TBFH-M40	Bulkhead mounting with 4 bolts 	Low construction High construction		H16B-AD-BO
Protection covers for hoods 			H16B-KDTP		1 Side entry Low construction 2 Side entry High construction	PG21 M25 PG21 M25 PG21 PG29 M25 M32 PG21 PG29 M25 M32	H16B-SDR-BO-PG21 H16B-SDR-BO-M25 H16B-SDR-BO-2PG21 H16B-SDR-BO-2M25 H16B-SDRH-BO-PG21 H16B-SDRH-BO-PG29 H16B-SDRH-BO-M25 H16B-SDRH-BO-M32 H16B-SDRH-BO-2PG21 H16B-SDRH-BO-2PG29 H16B-SDRH-BO-2M25 H16B-SDRH-BO-2M32
Housing protection cover 			H16B-KDBP				














H16B with 1 levers on the hoods/housings

H16B Levers include metal, plastic and stainless steel.
H16B cover include plastic and metal covers.

H16B metal hoods	Metr.	PG	Type	H16B metal housings	Metr.	PG	Type
Hood:Side entry				Bulkhead mounted			
	M25 M32	PG21 PG29	H16B-TS-RO-PG21 H16B-TS-RO-PG29 H16B-TS-RO-M25 H16B-TS-RO-M32				H16B-AG-LB
	M25 M32 M40	PG21 PG29	H16B-TSH-RO-PG21 H16B-TSH-RO-PG29 H16B-TSH-RO-M25 H16B-TSH-RO-M32 H16B-TSH-RO-M40				H16B-AD-LB
Hood:Top entry				Surface mounted: Side entry			
	M25 M32 M40	PG21 PG29	H16B-TG-RO-PG21 H16B-TG-RO-PG29 H16B-TG-RO-M25 H16B-TG-RO-M32 H16B-TG-RO-M40		1 Side entry Low construction	PG16 PG21 M20 M25	H16B-SGR-LB-PG16 H16B-SGR-LB-PG21 H16B-SGR-LB-M20 H16B-SGR-LB-M25 H16B-SGR-LB-2PG16 H16B-SGR-LB-2PG21 H16B-SGR-LB-2M20 H16B-SGR-LB-2M25
	M25 M32 M40	PG21 PG29	H16B-TGH-RO-PG21 H16B-TGH-RO-PG29 H16B-TGH-RO-M25 H16B-TGH-RO-M32 H16B-TGH-RO-M40		2 Side entry High construction	M20 M25	H16B-SGRH-LB-PG21 H16B-SGRH-LB-PG29 H16B-SGRH-LB-M25 H16B-SGRH-LB-M32 H16B-SGRH-LB-2PG21 H16B-SGRH-LB-2PG29 H16B-SGRH-LB-2M25 H16B-SGRH-LB-2M32
Cable-to-cable hood							
	M25 M32	PG21 PG29	H16B-TBF-LB-PG21 H16B-TBF-LB-PG29 H16B-TBF-LB-M25 H16B-TBF-LB-M32		1 Side entry Low construction	PG16 PG21 M20 M25	H16B-SDR-LB-PG16 H16B-SDR-LB-PG21 H16B-SDR-LB-M20 H16B-SDR-LB-M25 H16B-SDR-LB-2PG16 H16B-SDR-LB-2PG21 H16B-SDR-LB-2M20 H16B-SDR-LB-2M25
	M20 M25 M40	PG21 PG29	H16B-TBFH-LB-PG21 H16B-TBFH-LB-PG29 H16B-TBFH-LB-M25 H16B-TBFH-LB-M32 H16B-TBFH-LB-M40		2 Side entry High construction	M25 M32	H16B-SDRH-LB-PG21 H16B-SDRH-LB-PG29 H16B-SDRH-LB-M25 H16B-SDRH-LB-M32 H16B-SDRH-LB-2PG21 H16B-SDRH-LB-2PG29 H16B-SDRH-LB-2M25 H16B-SDRH-LB-2M32
Protection covers for hoods			H16B-KDTP-LB				
							

H24B with 2 levers on the hoods/housings

H24B Levers include metal, plastic and stainless steel.
H24B cover include plastic and metal covers.
















H24B metal hoods	Metr.	PG	Type	H24B metal housings	Metr.	PG	Type
Hood:Side entry				Bulkhead mounted			
	M25 M32	PG16 PG21	H24B-TS-PG16 H24B-TS-PG21 H24B-TS-M25 H24B-TS-M32				H24B-AG
	M25 M32 M40	PG21 PG29	H24B-TSH-PG21 H24B-TSH-PG29 H24B-TSH-M25 H24B-TSH-M32 H24B-TSH-M40	Surface mounted:Side entry		PG21	H24B-SGR-PG21
Hood:Top entry					M25		H24B-SGR-M25
	M25 M32	PG16 PG21	H24B-TG-PG16 H24B-TG-PG21 H24B-TG-M25 H24B-TG-M32	Side entry housing with two levers	M25	PG21	H24B-SGR-2PG21
	M25 M32 M40	PG21 PG29	H24B-TGH-PG21 H24B-TGH-PG29 H24B-TGH-M25 H24B-TGH-M32 H24B-TGH-M40		M25	PG21 PG29	H24B-SGRH-PG21 H24B-SGRH-M25 H24B-SGRH-M32
Cable-to-cable hood				Top entry housing with two levers			
	M25 M32	PG21	H24B-TBF-PG21 H24B-TBF-M25 H24B-TBF-M32		M20 M25	PG16 PG21	H24B-TSB-PG16 H24B-TSB-PG21 H24B-TSB-M20 H24B-TSB-M25
Protection covers for hoods				Bulkhead mounting with 4 bolts			
	M25 M32	PG21	H24B-TBFH-PG21 H24B-TBFH-PG29 H24B-TBFH-M25 H24B-TBFH-M32 H24B-TBFH-M40		M25	PG21 PG29	H24B-TSBH-PG21 H24B-TSBH-PG29 H24B-TSBH-M25 H24B-TSBH-M32
Housing protection cover					M25 M32	PG16 PG21	H24B-TGB-PG16 H24B-TGB-PG21 H24B-TGB-M20 H24B-TGB-M25
	M25 M32 M40	PG21 PG29	H24B-KDTP H24B-KDBP		M25 M32	PG21 PG29	H24B-TGBH-PG21 H24B-TGBH-PG29 H24B-TGBH-M25 H24B-TGBH-M32













H24B with 1 levers on the hoods/housings

H24B Levers include metal, plastic and stainless steel.
 H24B cover include plastic and metal covers.


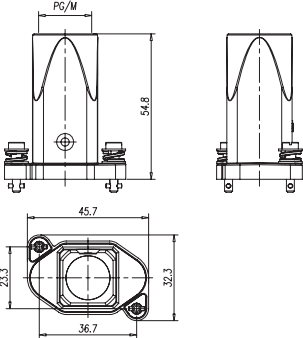

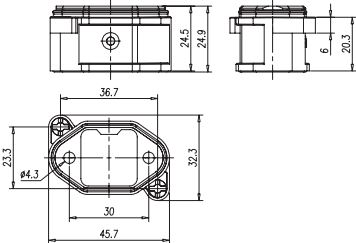

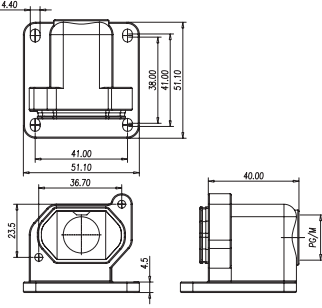

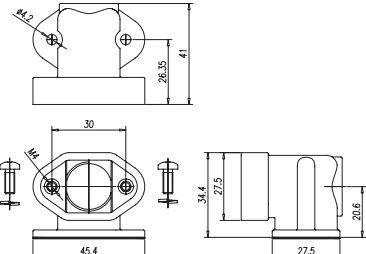
H24B metal hoods	Metr.	PG	Type	H24B metal housings	Metr.	PG	Type
Hood:Side entry	M25 M32	PG21 PG29	H24B-TS-RO-PG21 H24B-TS-RO-PG29 H24B-TS-RO-M25 H24B-TS-RO-M32	Bulkhead mounted			H24B-AG-LB
	M25 M32 M40	PG21 PG29	H24B-TSH-RO-PG21 H24B-TSH-RO-PG29 H24B-TSH-RO-M25 H24B-TSH-RO-M32 H24B-TSH-RO-M40				H24B-AD-LB
Hood:Top entry							
	M25 M32	PG21 PG29	H24B-TG-RO-PG21 H24B-TG-RO-PG29 H24B-TG-RO-M25 H24B-TG-RO-M32	Surface mounted: Side entry			
	M25 M32 M40	PG21 PG29	H24B-TGH-RO-PG21 H24B-TGH-RO-PG29 H24B-TGH-RO-M25 H24B-TGH-RO-M32 H24B-TGH-RO-M40				
Hood:Top entry							
Cable-to-cable hood	M25 M32	PG21 PG29	H24B-TBF-LB-PG21 H24B-TBF-LB-PG29 H24B-TBF-LB-M25 H24B-TBF-LB-M32				
	M20 M25 M40	PG21 PG29	H24B-TBFH-LB-PG21 H24B-TBFH-LB-PG29 H24B-TBFH-LB-M25 H24B-TBFH-LB-M32 H24B-TBFH-LB-M40				
Protection covers for hoods			H24B-KDTP-LB				

H32B with 2 levers on the hoods, housings


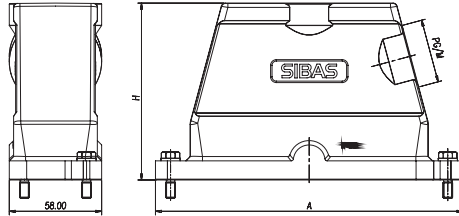

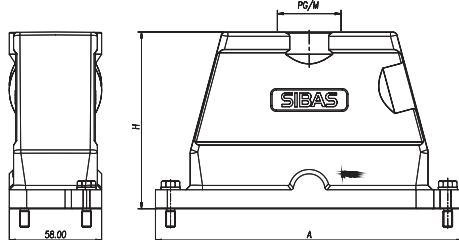
H32B with 2 levers on the hoods, housings	Metr.	PG	Type	H32B with 1 levers on the hoods, housings	Metr.	PG	Type
Hood:Side entry 	M25 M32 M40 M50	PG29 PG36	H32B-TS-PG29 H32B-TS-PG36 H32B-TG-M25 H32B-TS-M32 H32B-TS-M40 H32B-TS-M50	Hood:Side entry 	M25 M32 M40 M50	PG29 PG36	H32B-TS-RO-PG29 H32B-TS-RO-PG36 H32B-TS-RO-M25 H32B-TS-RO-M32 H32B-TS-RO-M40 H32B-TS-RO-M50
Hood:Top entry 	M25 M32 M40 M50	PG29 PG36 PG42	H32B-TG-PG29 H32B-TG-PG36 H32B-TG-PG42 H32B-TG-M25 H32B-TG-M32 H32B-TG-M40 H32B-TS-M50	Hood:Top entry 	M25 M32 M40 M50	PG29 PG36 PG42	H32B-TG-RO-PG29 H32B-TG-RO-PG36 H32B-TG-RO-PG42 H32B-TG-RO-M25 H32B-TG-RO-M32 H32B-TG-RO-M40 H32B-TG-RO-M50
Bulkhead mounted 			H32B-AG	Bulkhead mounted 			H32B-AG-LB
Surface mounted:Side entry 	M32 M40 M50 M63	PG29 PG36 PG42	H32B-SGR-PG29 H32B-SGR-PG36 H32B-SGR-PG42 H32B-SGR-M32 H32B-SGR-M40 H32B-SGR-M50 H32B-SGR-M63				H32B-AD-LB
Surface mounted:Side entry 	M32 M40 M50 M63	PG29 PG36 PG42	H32B-SGR-2PG29 H32B-SGR-2PG36 H32B-SGR-2PG42 H32B-SGR-2M32 H32B-SGR-2M40 H32B-SGR-2M50 H32B-SGR-2M63	Surface mounted:Side entry 	M32 M40	PG29	H32B-SGR-LB-PG29 H32B-SGR-LB-M32 H32B-SGR-LB-M40
Cable-to-cable hood 	M32 M40 M50 M63	PG29 PG36 PG42	H32B-TBF-PG29 H32B-TBF-PG36 H32B-TBF-PG42 H32B-TBF-M32 H32B-TBF-M40 H32B-TBF-M50 H32B-TBF-M63		M32 M40	PG29	H32B-SGR-LB-2PG29 H32B-SGR-LB-2M32 H32B-SGR-LB-2M40
Protection covers for hoods 			H32B-KDBP		M32 M40	PG29	H32B-SDR-LB-PG29 H32B-SDR-LB-M32 H32B-SDR-LB-M40
					M32 M40	PG29	H32B-SDR-LB-2PG29 H32B-SDR-LB-2M32 H32B-SDR-LB-2M40

H48B metal hoods				EMC metal hoods			
	Metr.	PG	Type		Metr.	PG	Type
Hood:Side entry 	M32 M40 M50 M63	PG29 PG36 PG42	H48B-TS-PG29 H48B-TS-PG36 H48B-TS-PG42 H48B-TS-M32 H48B-TS-M40 H48B-TS-M50 H48B-TS-M63	Hood:Side entry 			H6BEMC-TS H10BEMC-TS H16BEMC-TS H24BEMC-TS
Hood:Top entry 	M32 M40 M50 M63	PG29 PG36 PG42	H48B-TG-PG29 H48B-TG-PG36 H48B-TG-PG42 H48B-TG-M32 H48B-TG-M40 H48B-TG-M50 H48B-TG-M63	Hood:Top entry 			H6BEMC-TG H10BEMC-TG H16BEMC-TG H24BEMC-TG
Bulkhead mounted 			H48B-AG	Bulkhead mounted 			H6BEMC-AG H10BEMC-AG H16BEMC-AG H24BEMC-AG
			H48B-AD	EMC metal hoods 	Metr.	PG	Type
Surface mounted:Side entry 	M32 M40 M50	PG29 PG36 PG42	H48B-SGR-PG29 H48B-SGR-PG36 H48B-SGR-PG42 H48B-SGR-M32 H48B-SGR-M40 H48B-SGR-M50	Hood:Side entry 			H3AEMCS-TS H10AEMCS-TS H16AEMCS-TS H6BEMCS-TS H10BEMCS-TS H16BEMCS-TS H24BEMCS-TS
Surface mounted:Side entry 	M32 M40 M50	PG29 PG36 PG42	H48B-SGR-2PG29 H48B-SGR-2PG36 H48B-SGR-2PG42 H48B-SGR-2M32 H48B-SGR-2M40 H48B-SGR-2M50	Hood:Top entry 			H3AEMCS-TG H10AEMCS-TG H16AEMCS-TG H6BEMCS-TG H10BEMCS-TG H16BEMCS-TG H24BEMCS-TG
Surface mounted with cover 	M32 M40 M50	PG29 PG36 PG42	H48B-SDR-PG29 H48B-SDR-PG36 H48B-SDR-PG42 H48B-SDR-M32 H48B-SDR-M40 H48B-SDR-M50	Bulkhead mounted 			H3AEMCS-AG H10AEMCS-AG H16AEMCS-AG H6BEMCS-AG H10BEMCS-AG H16BEMCS-AG H24BEMCS-AG
Surface mounted with cover 	M32 M40 M50	PG29 PG36 PG42	H48B-SDR-2PG29 H48B-SDR-2PG36 H48B-SDR-2PG42 H48B-SDR-2M32 H48B-SDR-2M40 H48B-SDR-2M50				

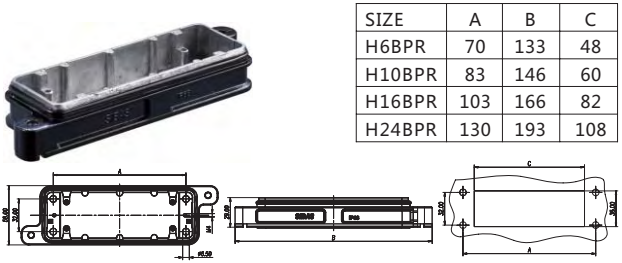
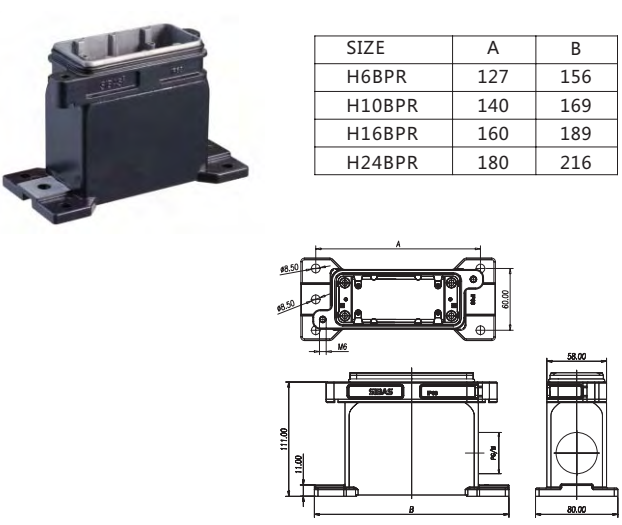
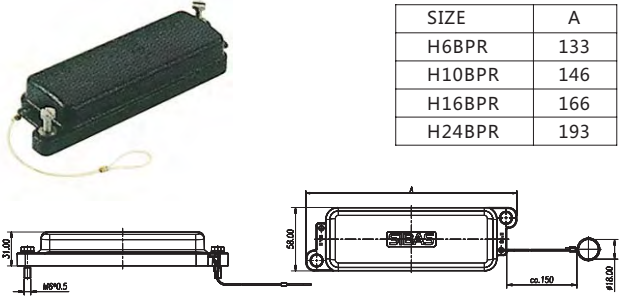
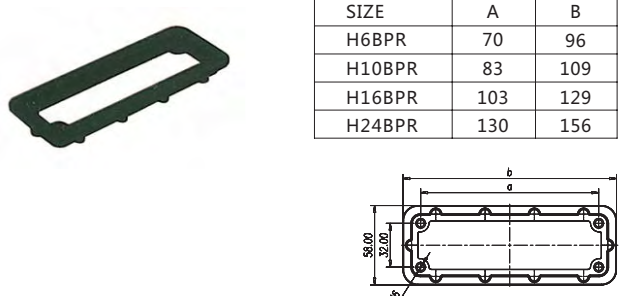
H3APR(IP68) Series

Opposite angle locking	Metr.	PG	Type	Order NO.
<p>Top entry</p>  	M20	PG16	H3APR-MTG-PG16 H3APR-MTG-M20	1 91 003 0116 1 91 003 0120
<p>Bulkhead mounted:Bottom entry</p>  			H3APR-MAG	1 93 003 0000
<p>Surface mounted:Side entry</p>  	M20	PG16	H3APR-MAGSV-PG16 H3APR-MAGSV-M20	1 95 003 0116 1 95 003 0120
<p>Bulkhead mounted:Side entry</p>  			H3APR-MAGS	1 94 003 0000


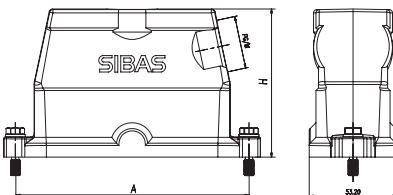

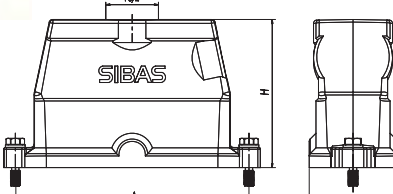

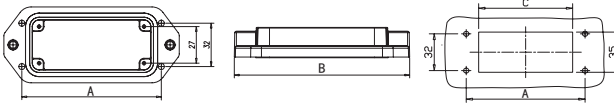


HBPR(IP68) Series

Opposite angle locking		Standard	Metr.	PG	Type	Order NO.															
<p>Hood:Side entry</p>  <table border="1" data-bbox="470 544 771 737"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>H6BPR</td> <td>133</td> <td>101</td> </tr> <tr> <td>H10BPR</td> <td>146</td> <td>101</td> </tr> <tr> <td>H16BPR</td> <td>166</td> <td>111</td> </tr> <tr> <td>H24BPR</td> <td>193</td> <td>111</td> </tr> </tbody> </table> 	SIZE	A	H	H6BPR	133	101	H10BPR	146	101	H16BPR	166	111	H24BPR	193	111	H6BPR	M20 M25 M32	PG16 PG21 PG29	H6BPR-TSH-PG16 H6BPR-TSH-PG21 H6BPR-TSH-PG29 H6BPR-TSH-M20 H6BPR-TSH-M25 H6BPR-TSH-M32	1 91 006 0116 1 91 006 0121 1 91 006 0129 1 91 006 0120 1 91 006 0125 1 91 006 0132	
	SIZE	A	H																		
	H6BPR	133	101																		
	H10BPR	146	101																		
	H16BPR	166	111																		
	H24BPR	193	111																		
	H10BPR	M20 M25 M32	PG16 PG21 PG29	H10BPR-TSH-PG16 H10BPR-TSH-PG21 H10BPR-TSH-PG29 H10BPR-TSH-M20 H10BPR-TSH-M25 H10BPR-TSH-M32	1 91 010 0116 1 91 010 0121 1 91 010 0129 1 91 010 0120 1 91 010 0125 1 91 010 0132																
	H16BPR	M25 M32 M40	PG16 PG21 PG29	H16BPR-TSH-PG16 H16BPR-TSH-PG21 H16BPR-TSH-PG29 H16BPR-TSH-M25 H16BPR-TSH-M32 H16BPR-TSH-M40	1 91 016 0116 1 91 016 0121 1 91 016 0129 1 91 016 0125 1 91 016 0132 1 91 016 0140																
	H24BPR	M25 M32 M40	PG16 PG21 PG29	H24BPR-TSH-PG16 H24BPR-TSH-PG21 H24BPR-TSH-PG29 H24BPR-TSH-M25 H24BPR-TSH-M32 H24BPR-TSH-M40	1 91 024 0116 1 91 024 0121 1 91 024 0129 1 91 024 0125 1 91 024 0132 1 91 024 0140																
	<p>Hood:Top entry</p>  <table border="1" data-bbox="470 1428 771 1621"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>H6BPR</td> <td>133</td> <td>101</td> </tr> <tr> <td>H10BPR</td> <td>146</td> <td>101</td> </tr> <tr> <td>H16BPR</td> <td>166</td> <td>111</td> </tr> <tr> <td>H24BPR</td> <td>193</td> <td>111</td> </tr> </tbody> </table> 	SIZE	A	H	H6BPR	133	101	H10BPR	146	101	H16BPR	166	111	H24BPR	193	111	H6BPR	M20 M25 M32	PG16 PG21 PG29	H6BPR-TGH-PG16 H6BPR-TGH-PG21 H6BPR-TGH-PG29 H6BPR-TGH-M20 H6BPR-TGH-M25 H6BPR-TGH-M32	1 92 006 0116 1 92 006 0121 1 92 006 0129 1 92 006 0120 1 92 006 0125 1 92 006 0132
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		H10BPR	M20 M25 M32	PG16 PG21 PG29	H10BPR-TGH-PG16 H10BPR-TGH-PG21 H10BPR-TGH-PG29 H10BPR-TGH-M20 H10BPR-TGH-M25 H10BPR-TGH-M32	1 92 010 0116 1 92 010 0121 1 92 010 0129 1 92 010 0120 1 92 010 0125 1 92 010 0132															
		H16BPR	M25 M32 M40	PG16 PG21 PG29	H16BPR-TGH-PG16 H16BPR-TGH-PG21 H16BPR-TGH-PG29 H16BPR-TGH-M25 H16BPR-TGH-M32 H16BPR-TGH-M40	1 92 016 0116 1 92 016 0121 1 92 016 0129 1 92 016 0125 1 92 016 0132 1 92 016 0140															
		H24BPR	M25 M32 M40	PG16 PG21 PG29	H24BPR-TGH-PG16 H24BPR-TGH-PG21 H24BPR-TGH-PG29 H24BPR-TGH-M25 H24BPR-TGH-M32 H24BPR-TGH-M40	1 92 024 0116 1 92 024 0121 1 92 024 0129 1 92 024 0125 1 92 024 0132 1 92 024 0140															




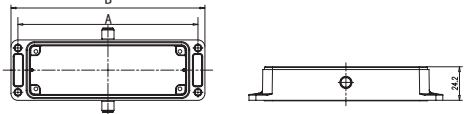

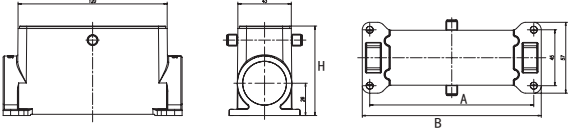
HBPR(IP68) Series

Opposite angle locking		Standard	Metr.	PG	Type	Order NO.																				
<p>Bulkhead mounted</p>  <table border="1"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>H6BPR</td> <td>70</td> <td>133</td> <td>48</td> </tr> <tr> <td>H10BPR</td> <td>83</td> <td>146</td> <td>60</td> </tr> <tr> <td>H16BPR</td> <td>103</td> <td>166</td> <td>82</td> </tr> <tr> <td>H24BPR</td> <td>130</td> <td>193</td> <td>108</td> </tr> </tbody> </table>		SIZE	A	B	C	H6BPR	70	133	48	H10BPR	83	146	60	H16BPR	103	166	82	H24BPR	130	193	108	H6BPR H10BPR H16BPR H24BPR			H6BPR-AG H10BPR-AG H16BPR-AG H24BPR-AG	1 93 006 0000 1 93 010 0000 1 93 016 0000 1 93 024 0000
SIZE	A	B	C																							
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<p>Straight surface mounted</p>  <table border="1"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>H6BPR</td> <td>127</td> <td>156</td> </tr> <tr> <td>H10BPR</td> <td>140</td> <td>169</td> </tr> <tr> <td>H16BPR</td> <td>160</td> <td>189</td> </tr> <tr> <td>H24BPR</td> <td>180</td> <td>216</td> </tr> </tbody> </table>		SIZE	A	B	H6BPR	127	156	H10BPR	140	169	H16BPR	160	189	H24BPR	180	216	H6BPR H10BPR H16BPR H24BPR	M25 M32 M25 M32 M25 M32 M40 M25 M32 M40	PG21 PG29 PG21 PG29 PG21 PG29 PG36 PG21 PG29 PG36	H6BPR-SGRH-PG21 H6BPR-SGRH-PG29 H6BPR-SGRH-M25 H6BPR-SGRH-M32 H10BPR-SGRH-PG21 H10BPR-SGRH-PG29 H10BPR-SGRH-M25 H10BPR-SGRH-M32 H16BPR-SGRH-PG21 H16BPR-SGRH-PG29 H16BPR-SGRH-PG36 H16BPR-SGRH-M25 H16BPR-SGRH-M32 H16BPR-SGRH-M40 H24BPR-SGRH-PG21 H24BPR-SGRH-PG29 H24BPR-SGRH-PG36 H24BPR-SGRH-M25 H24BPR-SGRH-M32 H24BPR-SGRH-M40	1 95 006 0121 1 95 006 0129 1 95 006 0125 1 95 006 0132 1 95 010 0121 1 95 010 0129 1 95 010 0125 1 95 010 0132 1 95 016 0121 1 95 016 0129 1 95 016 0136 1 95 016 0125 1 95 016 0132 1 95 016 0140 1 95 024 0121 1 95 024 0129 1 95 024 0136 1 95 024 0125 1 95 024 0132 1 95 024 0140					
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HBPR(IP68) Series

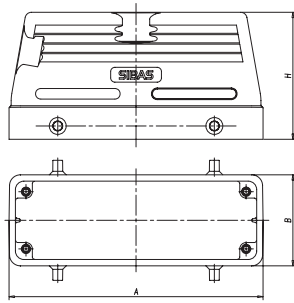
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	H24BPR	M25 M32 M40	PG21 PG29 PG36	H24BPR-TSHC-PG21 H24BPR-TSHC-PG29 H24BPR-TSHC-PG36 H24BPR-TSHC-M25 H24BPR-TSHC-M32 H24BPR-TSHC-M40	1 91 224 1121 1 91 224 1129 1 91 224 1136 1 91 224 1125 1 91 224 1132 1 91 224 1140																					
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H16BPR		M25 M32 M40	PG21 PG29 PG36	H16BPR-TGHC-PG21 H16BPR-TGHC-PG29 H16BPR-TGHC-PG36 H16BPR-TGHC-M25 H16BPR-TGHC-M32 H16BPR-TGHC-M40	1 92 216 1121 1 92 216 1129 1 92 216 1136 1 92 216 1125 1 92 216 1132 1 92 216 1140																					
H24BPR		M25 M32 M40	PG21 PG29 PG36	H24BPR-TGHC-PG21 H24BPR-TGHC-PG29 H24BPR-TGHC-PG36 H24BPR-TGHC-M25 H24BPR-TGHC-M32 H24BPR-TGHC-M40	1 92 224 1121 1 92 224 1129 1 92 224 1136 1 92 224 1125 1 92 224 1132 1 92 224 1140																					
<p>Bulkhead mounted</p>  <table border="1" data-bbox="479 1587 771 1735"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>H6BPR</td> <td>70</td> <td>96</td> <td>48</td> </tr> <tr> <td>H10BPR</td> <td>83</td> <td>110</td> <td>60</td> </tr> <tr> <td>H16BPR</td> <td>103</td> <td>130</td> <td>82</td> </tr> <tr> <td>H24BPR</td> <td>130</td> <td>156</td> <td>108</td> </tr> </tbody> </table> 		SIZE	A	B	C	H6BPR	70	96	48	H10BPR	83	110	60	H16BPR	103	130	82	H24BPR	130	156	108	H6BPR H10BPR H16BPR H24BPR			H6BPR-AGC H10BPR-AGC H16BPR-AGC H24BPR-AGC	1 93 206 1000 1 93 210 1000 1 93 216 1000 1 93 224 1000
		SIZE	A	B	C																					
		H6BPR	70	96	48																					
		H10BPR	83	110	60																					
		H16BPR	103	130	82																					
H24BPR		130	156	108																						
<p>Cover</p>  		H6BPR H10BPR H16BPR H24BPR			H6BPR-KDBP H10BPR-KDBP H16BPR-KDBP H24BPR-KDBP	1 99 006 0000 1 99 010 0000 1 99 016 0000 1 99 024 0000																				

HB(IP65) Series

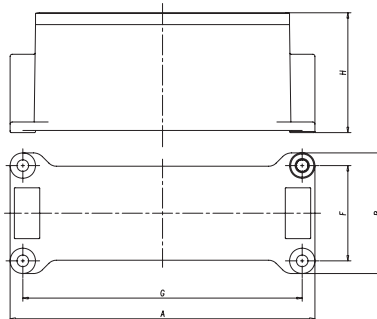
Central lever locking	Standard	Metr.	PG	Type	Order NO.																	
Hood:Side entry 	H10B	M25 M32	PG21 PG29	H10B-TSH-RC-PG21	1 39 010 0121																	
				H10B-TSH-RC-PG29	1 39 010 0129																	
				H10B-TSH-RC-M25	1 39 010 0125																	
	H16B	M25 M32 M40	PG21 PG29	H16B-TSH-RC-PG21	1 39 016 0121																	
				H16B-TSH-RC-PG29	1 39 016 0129																	
				H16B-TSH-RC-M25	1 39 016 0125																	
				H16B-TSH-RC-M32	1 39 016 0132																	
	H24B	M25 M32 M40	PG21 PG29	H16B-TSH-RC-M40	1 39 016 0140																	
				H24B-TSH-RC-PG21	1 39 024 0121																	
H24B-TSH-RC-PG29				1 39 024 0129																		
Hood:Top entry 	H10B	M25 M32	PG21 PG29	H10B-TGH-RC-PG21	1 40 010 0121																	
				H10B-TGH-RC-PG29	1 40 010 0129																	
				H10B-TGH-RC-M25	1 40 010 0125																	
	H16B	M25 M32 M40	PG21 PG29	H10B-TGH-RC-M32	1 40 010 0132																	
				H16B-TGH-RC-PG21	1 40 016 0121																	
				H16B-TGH-RC-PG29	1 40 016 0129																	
				H16B-TGH-RC-M25	1 40 016 0125																	
	H24B	M25 M32 M40	PG21 PG29	H16B-TGH-RC-M32	1 40 016 0132																	
				H16B-TGH-RC-M40	1 40 016 0140																	
				H24B-TGH-RC-PG21	1 40 024 0121																	
				H24B-TGH-RC-PG29	1 40 024 0129																	
				H24B-TGH-RC-M25	1 40 024 0125																	
Bulkhead mounted  <table border="1" data-bbox="479 1304 787 1440"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>B</th> <th>Dimension</th> </tr> </thead> <tbody> <tr> <td>H10B</td> <td>83</td> <td>93</td> <td>60x35</td> </tr> <tr> <td>H16B</td> <td>103</td> <td>113</td> <td>82x35</td> </tr> <tr> <td>H24B</td> <td>130</td> <td>140</td> <td>108x35</td> </tr> </tbody> </table> 	SIZE	A	B	Dimension	H10B	83	93	60x35	H16B	103	113	82x35	H24B	130	140	108x35	H10B			H10B-AG-RC	1 55 010 0000	
	SIZE	A	B	Dimension																		
	H10B	83	93	60x35																		
	H16B	103	113	82x35																		
	H24B	130	140	108x35																		
	H16B				H16B-AG-RC	1 55 016 0000																
	H24B				H24B-AG-RC	1 55 024 0000																
	Straight surface mounted  <table border="1" data-bbox="479 1712 787 1837"> <thead> <tr> <th>SIZE</th> <th>A</th> <th>B</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>H10B</td> <td>82</td> <td>93</td> <td>74</td> </tr> <tr> <td>H16B</td> <td>105</td> <td>117</td> <td>81</td> </tr> <tr> <td>H24B</td> <td>132</td> <td>144</td> <td>81</td> </tr> </tbody> </table> 	SIZE	A	B	H	H10B	82	93	74	H16B	105	117	81	H24B	132	144	81	H10B	M25 M32	PG21 PG29	H10B-SGRH-RC-PG21	1 56 010 0121
		SIZE	A	B	H																	
		H10B	82	93	74																	
		H16B	105	117	81																	
		H24B	132	144	81																	
		H10B-SGRH-RC-PG29	1 56 010 0129																			
		H10B-SGRH-RC-M25	1 56 010 0125																			
		H16B	M25 M32	PG21 PG29	H10B-SGRH-RC-M32	1 56 010 0132																
H16B-SGRH-RC-PG21					1 56 016 0121																	
H16B-SGRH-RC-PG29					1 56 016 0129																	
H16B-SGRH-RC-M25					1 56 016 0125																	
H24B		M25 M32	PG21 PG29	H16B-SGRH-RC-M32	1 56 016 0132																	
				H24B-SGRH-RC-PG21	1 56 024 0121																	
				H24B-SGRH-RC-PG29	1 56 024 0129																	
				H24B-SGRH-RC-M25	1 56 024 0125																	
	H24B-SGRH-RC-M32			1 56 024 0132																		

Special hoods(IP65) Series

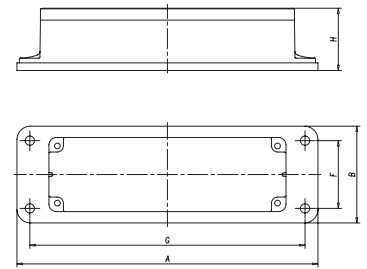
Special hoods	Standard	Metr.	PG	Type	Order NO.
Hood:Top entry 	H10B	2xM20	2xPG16	H10B-TGH-2PG16	1 24 010 2116
				H10B-TGH-2M20	1 24 010 2120
	H16B	2xM25	2xPG21	H16B-TGH-2PG21	1 24 016 2121
				H16B-TGH-2M25	1 24 016 2125
	H24B	2xM25	2xPG21	H24B-TGH-2PG21	1 24 024 2121
				H24B-TGH-2M25	1 24 024 2125
Hood:Side entry 	H10B	2xM20	2xPG16	H10B-TFH-2PG16	1 23 010 2116
				H10B-TFH-2M20	1 23 010 2120
	H16B	2xM25	2xPG21	H16B-TFH-2PG21	1 23 016 2121
				H16B-TFH-2M25	1 23 016 2125
	H24B	2xM25	2xPG21	H24B-TFH-2PG21	1 23 024 2121
				H24B-TFH-2M25	1 23 024 2125



Hoods

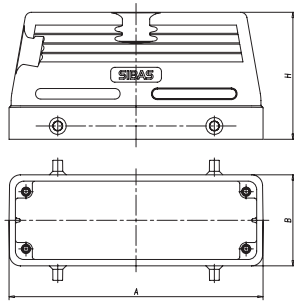


Surface mounted housings

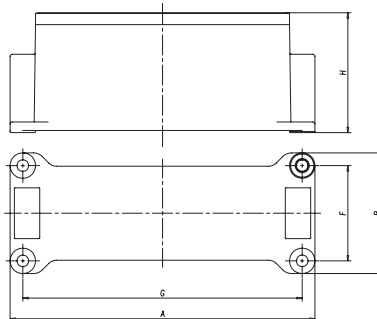


Bulkhead mounted housings

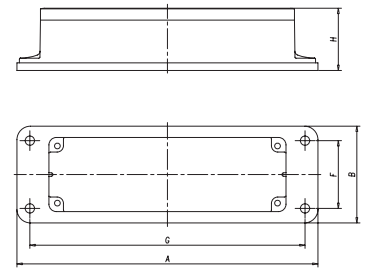
Type	A	B	H	F	G	Thread					
						PG11	M20				
H3A-MTG	27	27	56			PG11	M20				
H3A-MTS	27	27	48	37		PG11	M20				
H3A-MAG	40	28	24	30							
H3A-MAGS	40	28	28	30							
H3A-MAGSV	40	52	28	30		PG11	M16	M20			
H3A-MTGVB	27	27	59								
H3A-KDBM	27	27	18								
H3A-TG	27	27	56			PG11	M20				
H3A-TS	27	37	48			PG11	M20				
H3A-KDT											
H3A-AG	40	28	24	30							
H3A-AGS	40	40.5	28	30							
H3A-AGSV	40	57	28	30		PG11	M16	M20			
H3A-TGVB	24	24	57								
H3A-KDB	27	27	18								
H10A-TS/G	63	29.5	58.5			PG16	PG21	M20	M25		
H10A-TS/GH	63	29.5	67.5				PG21		M25		
H10A-KDT					17.5						
H10A-AG	81	31.5	26	70	40						
H10A-SGR	80	50	57	48	40	PG16	PG21	M20	M25		
H10A-SDR	80	50	57	48		PG16	PG21	M20	M25		
H16A-TS/G	79	29.5	58.5			PG16	PG21	M20	M25		
H16A-TS/GH	79	29.5	72.4			PG16	PG21	M20	M25		
H16A-KDT	79	29.5			17.5						
H16A-AG	96	31.5	26	86	17.5						
H16A-AD	96	31.5	26	86	40						
H16A-SGR	96	50	57	64		PG16	PG21	M20	M25		
H32A-TS	82	56	76			PG21	PG29	M25	M32	PG36	M40
H32A-TG	82	56	76		42	PG21	PG29	M25	M32	M40	PG36
H32A-AG	102	57	29	92	46						
H32A-SGR	106	57	82.5	94		PG21	PG29	M25	M32		
H32A-KDB	83.3	57.3	17								
H6B-TS	60	43	60			PG16	PG21	M20	M25		
H6B-TSH	60	43	72			PG21	PG29	M25	M32		
H6B-TG	60	43	60			PG16	PG21	PG29	M20	M25	M32
H6B-TGH	60	43	72			PG21	PG29	M25	M32		
H6B-KDT	60	46			32						
H6B-AG	80	43.5	29	70	32						
H6B-AD	80	43.5	29	70	40						
H6B-SGR	82	52	56.5	70	45	PG16	PG21	M20	M25		
H6B-SGRH	82	57	75.5	70	40	PG21	PG29	M25	M32		
H6B-SDR	82	52	57	70	45	PG16	PG21	M20	M25		
H6B-SDRH	82	57	75.5	70		PG21	PG29	M25	M32		
H6B-TBF	60	43	62.5			PG16	PG21	PG29	M20	M25	M32
H6B-TBFH	60	43	74.5			PG21	PG29	M25	M32	M20	
H6B-KDB	61	44									
H10B-TS	73	43	60			PG16	PG21	M20	M25		
H10B-TSH	73	43	72			PG21	PG29	M25	M32	M25	M32



Hoods

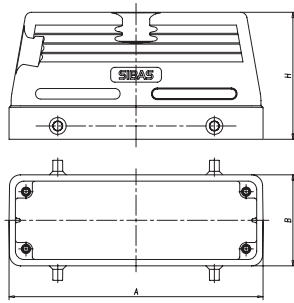


Surface mounted housings

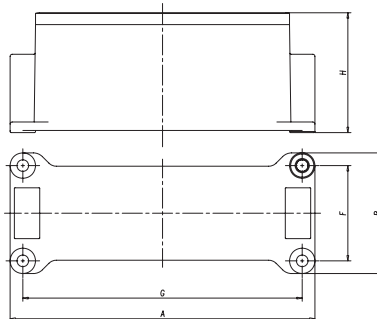


Bulkhead mounted housings

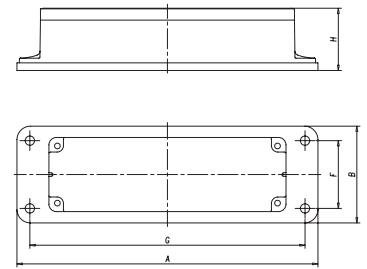
Type	A	B	H	F	G	Thread					
						PG16	PG21	PG29	M20	M25	M32
H10B-TG	73	43	60			PG16	PG21	PG29	M20	M25	M32
H10B-TGH	73	43	72			PG21	PG29	M25	M32		
H10B-KDT	76.4	46									
H10B-AG	93	43.5	29	83	32						
H10B-SGR	94	52	56.5	82	40	PG16	PG21	M20	M25		
H10B-SGRH	94	57	75.5	82	45	PG21	PG29	M25	M32		
H10B-KDB	76.5	44									
H10B-TS-RO	73	43	60			PG16	PG21	M20	M25		
H10B-TSH-RO	73	43	72			PG21	PG29	M25	M32		
H10B-TG-RO	73	43	60			PG16	PG21	PG29	M20	M25	M32
H10B-TGH-RO	73	43	72			PG21	PG29	M25	M32		
H10B-AG-LB	93	43.5	29	83	32						
H10B-AD-LB	93	43.5	29	83	32						
H10B-SGR-LB	94	52	56.5	82	40	PG16	PG21	M20	M25		
H10B-SGRH-LB	94	57	75.5	82	45	PG21	PG29	M25	M32		
H10B-TBF-LB	73	43	62.5			PG16	PG21	PG29	M20	M25	M32
H10B-TBFH-LB	73	43	74.5			PG21	PG29	M25	M32		
H10B-TBF	73	43	62.5			PG16	PG21	PG29	M20	M25	M32
H10B-TBFH	73	43	74.5			PG21	PG29	M25	M32		
H10B-TSB	73	43	60			PG16	PG21	M20	M25		
H10B-TSBH	73	43	72			PG21	PG29	M25	M32		
H10B-TGB	73	43	60			PG16	PG21	PG29	M20	M25	M32
H10B-TGBH	73	43	72			PG21	PG29	M25	M32		
H10B-AD-BO	93	43.5	29	83	32						
H10B-SDR-BO	94	52	56.5	82	40	PG16	PG21	M20	M25		
H10B-SDRH-BO	94	57	75.5	82	45	PG21	PG29	M25	M32		
H16B-TS	93.5	43	60			PG21	PG29	M25	M32		
H16B-TSH	93.5	43	76			PG21	PG29	M25	M32	M40	
H16B-TG	93.5	43	60			PG21	PG29	M25	M32		
H16B-TGH	93.5	43	76			PG21	PG29	M25	M32	M40	
H16B-KDT	99	44									
H16B-AG	113	43.5	29	103	32						
H16B-SGR	117	57	56.5	105	45	M25	PG21				
H16B-SGRH	117	57	75.5	105	45	PG21	PG29	M25	M32		
H16B-KDB	99	44									
H16B-TS-RO	93.5	43	60			PG21	PG29	M25	M32		
H16B-TSH-RO	93.5	43	76			PG21	PG29	M25	M32	M40	
H16B-TG-RO	93.5	43	60			PG21	PG29	M25	M32		
H16B-TGH-RO	93.5	43	76			PG21	PG29	M25	M32	M40	
H16B-AG-LB	113	43.5	29	103	32						
H16B-AD-LB	113	43.5	29	103	32						
H16B-SGR-LB	117	57	56.5	105	45	M25	PG21				
H16B-SGRH-LB	117	57	75.5	105	45	PG21	PG29	M25	M32		
H16B-SDR-LB	117	57	56.5	105	45	M25	PG21				
H16B-SDRH-LB	117	57	75.5	105	45	PG21	PG29	M25	M32		
H16B-TBF-LB	93.5	43	62.5			PG21	PG29	M25	M32		
H16B-TBFH-LB	93.5	43	78.5			PG21	PG29	M25	M32	M40	
H16B-TBF	93.5	43	62.5			PG21	PG29	M25	M32		



Hoods

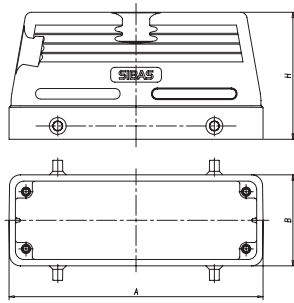


Surface mounted housings

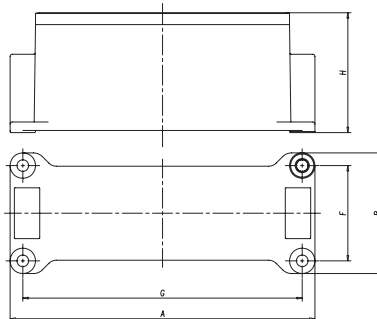


Bulkhead mounted housings

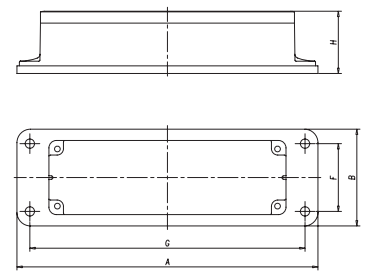
Type	A	B	H	F	G	Thread						
						PG21	PG29	M25	M32	M40		
H16B-TBFH	93.5	43	78.5			PG21	PG29	M25	M32	M40		
H16B-TSB	93.5	43	60			PG21	PG29	M25	M32			
H16B-TSBH	93.5	43	76			PG21	PG29	M25	M32			
H16B-TGB	93.5	43	60			PG21	PG29	M25	M32	M40		
H16B-TGBH	93.5	43	76			PG21	PG29	M25	M32	M40		
H16B-AD-BO	113	43.5	29	103	32							
H16B-SDR-BO	117	57	56.5	105	45	M25	PG21					
H16B-SDRH-BO	117	57	75.5	105	45	PG21	PG29	M25	M32			
H24B-TS	120	43	60			PG21	PG29	M25	M32			
H24B-TSH	120	43	76			PG21	PG29	M25	M32			
H24B-TG	120	43	60			PG21	PG29	M25	M32	M40		
H24B-TGH	120	43	76			PG21	PG29	M25	M32	M40		
H24B-KDT	126	44										
H24B-AG	140	43.5	29	130	32							
H24B-SGR	144	57	56.5	132	45	M25	PG21					
H24B-SGRH	144	57	75.5	132	45	PG21	PG29	M25	M32			
H24B-KDB	126	44										
H24B-TS-RO	120	43	60			PG21	PG29	M25	M32			
H24B-TSH-RO	120	43	76			PG21	PG29	M25	M32			
H24B-TG-RO	120	43	60			PG21	PG29	M25	M32	M40		
H24B-TGH-RO	120	43	60			PG21	PG29	M25	M32	M40		
H24B-AG-LB	140	43.5	29	130	32							
H24B-AD-LB	140	43.5	29	130	32							
H24B-SGR-LB	144	57	56.5	132	45	M25	PG21					
H24B-SGRH-LB	144	57	75.5	132	45	PG21	PG29	M25	M32			
H24B-SDR-LB	144	57	56.5	132	45	M25	PG21					
H24B-SDRH	144	57	75.5	132	45	PG21	PG29	M25	M32			
H24B-TBF-LB	120	43	62.5			PG21	PG29	M25	M32	M40		
H24B-TBFH-LB	120	43	78.5			PG21	PG29	M25	M32	M40		
H24B-TBF	120	43	62.5			PG21	PG29	M25	M32	M40		
H24B-TBFH	120	43	78.5			PG21	PG29	M25	M32	M40		
H24B-TSB	120	43	60			PG21	PG29	M25	M32			
H24B-TSBH	120	43	76			PG21	PG29	M25	M32			
H24B-TGB	120	43	60			PG21	PG29	M25	M32	M40		
H24B-TGBH	120	43	76			PG21	PG29	M25	M32	M40		
H24B-AD-BO	140	43.5	29	130	32							
H24B-SDR-BO	144	57	56.5	132	45	PG21	M25					
H24B-SDRH-BO	144	57	75.5	132	45	PG21	PG29	M25	M32			
H32B-TS	94	82.5	76			PG29	M32	M40				
H32B-TG	94	82.5	76			PG29	PG36	PG42	M32	M40	M50	
H32B-AG	124	82.5	37.5	110	65							
H32B-SGR	125	87	92	112	67	PG29	PG36	PG42	M32	M40	M50	
H32B-TBF	94	82.5	78.5			PG29	PG36	PG42	M32	M40	M50	
H32KDB	94.5	83	13.5									
H48B-TS	132	88	98			PG29	PG36	PG42	M32	M40	M50	
H48B-TG	132	88	98			PG29	PG36	PG42	M32	M40	M50	
H48-AG	165	96	41.5	148	70							
H48-AD	165	96	41.5	148	70							



Hoods



Surface mounted housings



Bulkhead mounted housings

Type	A	B	H	F	G	Thread					
						PG29	PG36	PG42	M32	M40	M50
H48B-SGR	141	120	100	111	106	PG29	PG36	PG42	M32	M40	M50
H48B-SDR	141	120	100	111	106	PG29	PG36	PG42	M32	M40	M50
H8A-TS	48	29	54	32	13.5	PG16					
H8A-AG	46	29	19.5	32	13.4						
H3APR-MTG	45.7	32.3	54.8			PG16	M20				
H3APR-MAG	45.7	32.3	24.5	30							
H6BPR-TSH	133	58	101			PG16	PG21	PG29	M20	M25	M32
H10BPR-TSH	146	58	101			PG16	PG21	PG29	M20	M25	M32
H16BPR-TSH	166	58	111			PG21	PG29	PG36	M25	M32	M40
H24BPR-TSH	193	58	111			PG21	PG29	PG36	M25	M32	M40
H6BPR-TGH	133	58	101			PG16	PG21	PG29	M20	M25	M32
H10BPR-TGH	146	58	101			PG16	PG21	PG29	M20	M25	M32
H16BPR-TGH	166	58	111			PG21	PG29	PG36	M25	M32	M40
H24BPR-TGH	193	58	111			PG21	PG29	PG36	M25	M32	M40
H6BPR-AG	133	58	29	70	32						
H10BPR-AG	146	58	29	83	32						
H16BPR-AG	166	58	29	103	32						
H24BPR-AG	193	58	29	130	32						
H6BPR-SGRH	156	80	91	127	60	PG21	PG29	M25	M32		
H10BPR-SGRH	169	80	91	140	60	PG21	PG29	M25	M32		
H16BPR-SGRH	189	80	91	160	60	PG21	PG29	PG36	M25	M32	M40
H16BPR-SGRH	216	80	90	180	60	PG21	PG29	PG36	M25	M32	M40
H6BPR-KDB	133	58	31								
H10BPR-KDB	146	58	31								
H16BPR-KDB	166	58	31								
H24BPR-KDB	193	58	31								
H6BPR-FRAME	96	58									
H10BPR-FRAME	109	58									
H16BPR-FRAME	129	58									
H24BPR-FRAME	156	58									
H6BPR-TSHC	133	53	101			PG16	PG21	PG29	M20	M25	M32
H10BPR-TSHC	146	53	101			PG16	PG21	PG29	M20	M25	M32
H16BPR-TSHC	166	53	111			PG21	PG29	PG36	M25	M32	M40
H24BPR-TSHC	193	53	111			PG21	PG29	PG36	M25	M32	M40
H6BPR-TGHC	133	53	101			PG16	PG21	PG29	M20	M25	M32
H10BPR-TGHC	146	53	101			PG16	PG21	PG29	M20	M25	M32
H16BPR-TGHC	166	53	111			PG21	PG29	PG36	M25	M32	M40
H24BPR-TGHC	193	53	111			PG21	PG29	PG36	M25	M32	M40
H6BPR-AGC	133	56	22	70	32						
H10BPR-AGC	146	56	22	83	32						
H16BPR-AGC	166	56	22	103	32						
H24BPR-AGC	193	56	22	130	32						
H6BPR-KDBP	93.5	51.5	15								
H10BPR-KDBP	106.5	51.5	15								
H16BPR-KDBP	126.5	51.5	15								
H24BPR-KDBP	153.5	51.5	15								



Cable glands and accessories

SIBAS offer a well balanced assortment of cable glands for different applications

Cable glands made from plastic and brass

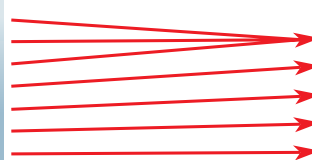
EMC cable glands

EN 50014, EN 50019

For hazardous areas in accordance with EN 50014, EN 50019



Cross Reference from PG thread to Metric thread

PG	Cross Reference	M
PG11		M20
PG13.5		M25
PG16		M32
PG21		M40
PG29		M50
PG36		
PG42		

Cable glands, brass nicked-plated



Material: Nickel plated brass
 Press seal material: PA
 Seal material: NBR
 Temperature range: -40°C ~ +100°C
 Protection: IP68

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG7	2 ~ 5 3 ~ 6.5	DLX-7-MTS DLX-7-MS	3 609 0701 11 3 609 0701 01
	PG9	2 ~ 6 4 ~ 8	DLX-9-MTS DLX-9-MS	3 609 0901 11 3 609 0901 01
	PG11	3 ~ 7 5 ~ 10	DLX-11-MTS DLX-11-MS	3 609 1101 11 3 609 1101 01
	PG13.5	5 ~ 9 6 ~ 12	DLX-13-MTS DLX-13-MS	3 609 1301 11 3 609 1301 01
	PG16	7 ~ 12 10 ~ 14	DLX-16-MTS DLX-16-MS	3 609 1601 11 3 609 1601 01
	PG21	9 ~ 16 13 ~ 18	DLX-21-MTS DLX-21-MS	3 609 2101 11 3 609 2101 01
	PG29	13 ~ 20 18 ~ 25	DLX-29-MTS DLX-29-MS	3 609 2901 11 3 609 2901 01
	PG36	20 ~ 26 22 ~ 32	DLX-36-MTS DLX-36-MS	3 609 3601 11 3 609 3601 01
	PG42	25 ~ 31 32 ~ 38	DLX-42-MTS DLX-42-MS	3 609 4201 11 3 609 4201 01
	PG48	29 ~ 35 37 ~ 44	DLX-48-MTS DLX-48-MS	3 609 4801 11 3 609 4801 01
M12 X 1.5		2 ~ 5 3 ~ 6.5	DLX-12-MT DLX-12-M	3 609 1201 12 3 609 1201 02
M16 X 1.5		2 ~ 6 4 ~ 8 5 ~ 10	DLX-16-MT DLX-16-M DLX-16-MB	3 609 1601 12 3 609 1601 02 3 609 1601 22
M20 X 1.5		5 ~ 9 6 ~ 12 10 ~ 14	DLX-20-MT DLX-20-M DLX-20-MB	3 609 2001 12 3 609 2001 02 3 609 2001 22
M25 X 1.5		9 ~ 16 13 ~ 18	DLX-25-MT DLX-25-M	3 609 2501 12 3 609 2501 02
M32 X 1.5		13 ~ 20 18 ~ 25	DLX-32-MT DLX-32-M	3 609 3201 12 3 609 3201 02
M40 X 1.5		20 ~ 26 22 ~ 32	DLX-40-MT DLX-40-M	3 609 4001 12 3 609 4001 02
M50 X 1.5		25 ~ 31 32 ~ 38	DLX-50-MT DLX-50-M	3 609 5001 12 3 609 5001 02
M63 X 1.5		29 ~ 35 37 ~ 44	DLX-63-MT DLX-63-M	3 609 6301 12 3 609 6301 02

Cable glands,nylon sealing insert



Material:Polyamide
 Press seal material:PA
 Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP68

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG7	2 ~ 5 3 ~ 6.5	DLX-7-PT DLX-7-P	3 209 0701 61 3 209 0701 60
	PG9	2 ~ 6 4 ~ 8	DLX-9-PT DLX-9-P	3 209 0901 61 3 209 0901 60
	PG11	3 ~ 7 5 ~ 10	DLX-11-PT DLX-11-P	3 209 1101 61 3 209 1101 60
	PG13.5	5 ~ 9 6 ~ 12	DLX-13-PT DLX-13-P	3 209 1301 61 3 209 1301 60
	PG16	7 ~ 12 10 ~ 14	DLX-16-PT DLX-16-P	3 209 1601 61 3 209 1601 60
	PG21	9 ~ 16 13 ~ 18	DLX-21-PT DLX-21-P	3 209 2101 61 3 209 2101 60
	PG29	13 ~ 20 18 ~ 25	DLX-29-PT DLX-29-P	3 209 2901 61 3 209 2901 60
	PG36	20 ~ 26 22 ~ 32	DLX-36-PT DLX-36-P	3 209 3601 61 3 209 3601 60
	PG42	25 ~ 31 32 ~ 38	DLX-42-PT DLX-42-P	3 209 4201 61 3 209 4201 60
	PG48	29 ~ 35 37 ~ 44	DLX-48-PT DLX-48-P	3 209 4801 61 3 209 4801 60
M12 X 1.5		2 ~ 5 3 ~ 6.5	DLX-12-PMT DLX-12-PM	3 209 1201 12 3 209 1201 02
M16 X 1.5		2 ~ 6 4 ~ 8	DLX-16-PMT DLX-16-PM	3 209 1601 12 3 209 1601 02
M20 X 1.5		5 ~ 9 6 ~ 12	DLX-20-PMT DLX-20-PM	3 209 2001 12 3 209 2001 02
M25 X 1.5		9 ~ 16 13 ~ 18	DLX-25-PMT DLX-25-PM	3 209 2501 12 3 209 2501 02
M32 X 1.5		13 ~ 20 18 ~ 25	DLX-32-PMT DLX-32-PM	3 209 3201 12 3 209 3201 02
M40 X 1.5		20 ~ 26 22 ~ 32	DLX-40-PMT DLX-40-PM	3 209 4001 12 3 209 4001 02
M50 X 1.5		25 ~ 31 32 ~ 38	DLX-50-PMT DLX-50-PM	3 209 5001 12 3 209 5001 02
M63 X 1.5		29 ~ 35 37 ~ 44	DLX-63-PMT DLX-63-PM	3 209 6301 12 3 209 6301 02
	PG21		VA-21-MS	3 900 2100 01
	PG29		VA-29-MS	3 900 2900 01
	M25		VA-25-M	3 900 2500 50
	M32		VA-32-M	3 900 3200 50

Metal exhaust fitting



Material:Nickel plated brass
 Temperature range:-40°C~+100°C

Multiple sealing insert metal cable gland



Material:Nickel plated brass
 Seal material:TPE/EPDM
 Temperature range:-40°C~ +100°C
 Protection:IP65
 Seal material colors:White
 (other colors need consulting)

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG13.5	2 x 3	DLX-13-KMS	3 729 1301 01
	PG16	3 x 4	DLX-16-KMS	3 729 1601 01
	PG16	2 x 5	DLX-16-KMS	3 729 1602 01
	PG21	4 x 6.5	DLX-21-1KMS	3 729 2101 01
	PG21	3 x 7	DLX-21-2KMS	3 729 2102 01
	PG21	2 x 6	DLX-21-3KMS	3 729 2103 01
	PG21	2 x 8	DLX-21-4KMS	3 729 2104 01
	PG29	6 x 6.5	DLX-29-1KMS	3 729 2901 01
	PG29	4 x 9	DLX-29-2KMS	3 729 2902 01
	PG29	3 x 9	DLX-29-3KMS	3 729 2903 01
	PG36	5 x 9	DLX-36-1KMS	3 729 3601 01
	PG36	6 x 8	DLX-36-2KMS	3 729 3602 01
	PG42	4 x 12	DLX-42-1KMS	3 729 4201 01
	PG42	5 x 10	DLX-42-2KMS	3 729 4202 01
	PG48	6 x 12	DLX-48-1KMS	3 729 4801 01
	PG48	3 x 18	DLX-48-2KMS	3 729 4802 01
M16 X 1.5		2 x 3	DLX-16-KM	3 729 1601 02
M20 X 1.5		3 x 4	DLX-20-KM	3 729 2001 02
M20 X 1.5		2 x 5	DLX-20-KM	3 729 2002 02
M25 X 1.5		4 x 6.5	DLX-25-1KM	3 729 2501 02
M25 X 1.5		3 x 7	DLX-25-2KM	3 729 2502 02
M25 X 1.5		2 x 6	DLX-25-3KM	3 729 2503 02
M25 X 1.5		2 x 8	DLX-25-4KM	3 729 2504 02
M32 X 1.5		6 x 6.5	DLX-32-1KM	3 729 3201 02
M32 X 1.5		4 x 9	DLX-32-2KM	3 729 3202 02
M32 X 1.5		3 x 9	DLX-32-3KM	3 729 3203 02
M40 X 1.5		5 x 9	DLX-40-1KM	3 729 4001 02
M40 X 1.5		6 x 8	DLX-40-2KM	3 729 4002 02
M50 X 1.5		4 x 12	DLX-50-1KM	3 729 5001 02
M50 X 1.5		5 x 10	DLX-50-2KM	3 729 5002 02
M63 X 1.5		6 x 12	DLX-63-1KM	3 729 6301 02
M63 X 1.5		3 x 18	DLX-63-2KM	3 729 6302 02

Multiple sealing insert nylon cable gland



Material:PA
 Seal material:EPDM
 Temperature range:-40°C~ +100°C
 Protection:IP65
 Seal material colors:White
 (other colors need consulting)

	PG13.5	2 x 3	DLX-13-KPMS	3 229 1301 01
	PG16	3 x 4	DLX-16-KPMS	3 229 1601 01
	PG16	2 x 5	DLX-16-KPMS	3 229 1602 01
	PG21	4 x 6.5	DLX-21-1KPMS	3 229 2101 01
	PG21	3 x 7	DLX-21-2KPMS	3 229 2102 01
	PG21	2 x 6	DLX-21-3KPMS	3 229 2103 01
	PG21	2 x 8	DLX-21-4KPMS	3 229 2104 01
	PG29	6 x 6.5	DLX-29-1KPMS	3 229 2901 01
	PG29	4 x 9	DLX-29-2KPMS	3 229 2902 01
	PG29	3 x 9	DLX-29-3KPMS	3 229 2903 01
	PG36	5 x 9	DLX-36-1KPMS	3 229 3601 01
	PG36	6 x 8	DLX-36-2KPMS	3 229 3602 01
	PG42	4 x 12	DLX-42-1KPMS	3 229 4201 01
	PG42	5 x 10	DLX-42-2KPMS	3 229 4202 01
	PG48	6 x 12	DLX-48-1KPMS	3 229 4801 01
	PG48	3 x 18	DLX-48-2KPMS	3 229 4802 01
M16 X 1.5		2 x 3	DLX-16-KPM	3 229 1601 02
M20 X 1.5		3 x 4	DLX-20-KPM	3 229 2001 02
M20 X 1.5		2 x 5	DLX-20-KPM	3 229 2002 02
M25 X 1.5		4 x 6.5	DLX-25-1KPM	3 229 2501 02
M25 X 1.5		3 x 7	DLX-25-2KPM	3 229 2502 02
M25 X 1.5		2 x 6	DLX-25-3KPM	3 229 2503 02
M25 X 1.5		2 x 8	DLX-25-4KPM	3 229 2504 02
M32 X 1.5		6 x 6.5	DLX-32-1KPM	3 229 3201 02
M32 X 1.5		4 x 9	DLX-32-2KPM	3 229 3202 02
M32 X 1.5		3 x 9	DLX-32-3KPM	3 229 3203 02
M40 X 1.5		5 x 9	DLX-40-1KPM	3 229 4001 02
M40 X 1.5		6 x 8	DLX-40-2KPM	3 229 4002 02
M50 X 1.5		4 x 12	DLX-50-1KPM	3 229 5001 02
M50 X 1.5		5 x 10	DLX-50-2KPM	3 229 5002 02
M63 X 1.5		6 x 12	DLX-63-1KPM	3 229 6301 02
M63 X 1.5		3 x 18	DLX-63-2KPM	3 229 6302 02

Special sealing insert glands



Sealing with different colour



Material: Nickel plated brass
 Seal material: TPE/EPDM
 Temperature range: -40°C ~ +100°C
 Protection: IP65
 Seal material colors: Black
 (other colors need consulting)

EMC cable glands



Material: Nickel plated brass
 Press seal material: PA
 Seal material: EPDM
 Temperature range: -40°C ~ +100°C
 Protection: IP68

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG9	2 ~ 3.5	DLX-9-MSET	3 709 0901 11
		3.5 ~ 6	DLX-9-MSEZ	3 709 0901 21
		6 ~ 9	DLX-9-MSE	3 709 0901 01
	PG11	6 ~ 8.5	DLX-11-MSET	3 709 1101 11
		8.5 ~ 11	DLX-11-MSEZ	3 709 1101 21
		11 ~ 13.5	DLX-11-MSE	3 709 1101 01
	PG13.5	8.5 ~ 11	DLX-13-MSET	3 709 1301 11
		11 ~ 13.5	DLX-13-MSEZ	3 709 1301 21
		13.5 ~ 15	DLX-13-MSE	3 709 1301 01
	PG16	9 ~ 12	DLX-16-MSET	3 709 1601 11
		12 ~ 14	DLX-16-MSEZ	3 709 1601 21
		14 ~ 16	DLX-16-MSE	3 709 1601 01
PG21	13.5 ~ 16	DLX-21-MSET	3 709 2101 11	
	16 ~ 17.5	DLX-21-MSEZ	3 709 2101 21	
	17.5 ~ 19	DLX-21-MSE	3 709 2101 01	
PG29	17.5 ~ 21	DLX-29-MSET	3 709 2901 11	
	21 ~ 23.5	DLX-29-MSEZ	3 709 2901 21	
	23.5 ~ 25	DLX-29-MSE	3 709 2901 01	
PG36	20 ~ 24	DLX-36-MSET	3 709 3601 11	
	24 ~ 28	DLX-36-MSEZ	3 709 3601 21	
	28 ~ 32	DLX-36-MSE	3 709 3601 01	
M16 X 1.5		2 ~ 3.5	DLX-16-MET	3 709 1601 12
		3.5 ~ 6	DLX-16-MEZ	3 709 1601 22
		6 ~ 9	DLX-16-ME	3 709 1601 02
M20 X 1.5		8.5 ~ 11	DLX-20-MET	3 709 2001 12
		11 ~ 13.5	DLX-20-MEZ	3 709 2001 22
		13.5 ~ 15	DLX-20-ME	3 709 2001 02
M25 X 1.5		13.5 ~ 16	DLX-25-MET	3 709 2501 12
		16 ~ 17.5	DLX-25-MEZ	3 709 2501 22
		17.5 ~ 19	DLX-25-ME	3 709 2501 02
M32 X 1.5		20 ~ 22	DLX-25-MED	3 709 2501 32
		17.5 ~ 21	DLX-32-MET	3 709 3201 12
		21 ~ 22.5	DLX-32-MEZ	3 709 3201 22
M40 X 1.5		22.5 ~ 25	DLX-32-ME	3 709 3201 02
		20 ~ 24	DLX-40-MET	3 709 4001 12
		24 ~ 28	DLX-40-MEZ	3 709 4001 22
		28 ~ 32	DLX-40-ME	3 709 4001 02
	PG9	4 ~ 8	DLX-9-MSC	3 707 0901 01
	PG11	5 ~ 10	DLX-11-MSC	3 707 1101 01
	PG13.5	6 ~ 12	DLX-13-MSC	3 707 1301 01
	PG16	10 ~ 14	DLX-16-MSC	3 707 1601 01
	PG21	13 ~ 18	DLX-21-MSC	3 707 2001 01
	PG29	18 ~ 25	DLX-29-MSC	3 707 2901 01
	PG36	22 ~ 32	DLX-36-MSC	3 707 3601 01
	PG42	32 ~ 38	DLX-42-MSC	3 707 4201 01
	PG48	37 ~ 44	DLX-48-MSC	3 707 4801 01
M16 X 1.5		2 ~ 6	DLX-16-MTC	3 707 1601 13
		4 ~ 8	DLX-16-MC	3 707 1601 03
M20 X 1.5		5 ~ 9	DLX-20-MTC	3 707 2001 13
		6 ~ 12	DLX-20-MC	3 707 2001 03
M25 X 1.5		9 ~ 16	DLX-25-MTC	3 707 2501 13
		13 ~ 18	DLX-25-MC	3 707 2501 03
M32 X 1.5		13 ~ 20	DLX-32-MTC	3 707 3201 13
		18 ~ 25	DLX-32-MC	3 707 3201 03
M40 X 1.5		20 ~ 26	DLX-40-MTC	3 707 4001 13
		22 ~ 32	DLX-40-MC	3 707 4001 03
M50 X 1.5		25 ~ 31	DLX-50-MTC	3 707 5001 13
		32 ~ 38	DLX-50-MC	3 707 5001 03
M63 X 1.5		29 ~ 35	DLX-63-MTC	3 707 6301 13
		37 ~ 44	DLX-63-MC	3 707 6301 03

Metal glands with multiple seal	Metr.	PG	Clamp range (mm)	Type	Order NO.	
 <p data-bbox="162 737 487 850">Material: Nickel plated brass Seal material: NBR Temperature range: -40°C ~ +100°C Protection: IP65</p>		PG9	5 ~ 10	DSM-9	3 201 0901 01	
		PG11	7 ~ 12	DSM-11	3 201 1101 01	
		PG13.5	7 ~ 12	DSM-13	3 201 1301 01	
		PG16	7 ~ 15	DSM-16	3 201 1601 01	
		PG21	10 ~ 19	DSM-21	3 201 2101 01	
		PG29	18 ~ 27	DSM-29	3 201 2901 01	
		PG36	24 ~ 32	DSM-36	3 201 3601 01	
		PG42	30 ~ 39	DSM-42	3 201 4201 01	
		PG48	36 ~ 45	DSM-48	3 201 4801 01	
		M12		5 ~ 10	DSM-12-M	3 201 1201 02
		M16		6.5 ~ 10	DSM-16-M	3 201 1601 02
		M20		8.5 ~ 13.5	DSM-20-M	3 201 2001 02
		M25		13 ~ 20	DSM-25-M	3 201 2501 02
		M32		19 ~ 28	DSM-32-M	3 201 3201 02
		M40		24 ~ 34	DSM-40-M	3 201 4001 02
		M50		34 ~ 40	DSM-50-M	3 201 5001 02
		M63		39 ~ 46	DSM-63-M	3 201 6301 02
	 <p data-bbox="162 1621 487 1735">Material: Nickel plated brass Seal material: NBR Temperature range: -40°C ~ +100°C Protection: IP54</p>		PG9	8 ~ 10	DSM-9-S	3 211 0901 01
		PG11	10 ~ 12	DSM-11-S	3 211 1101 01	
		PG13.5	12 ~ 14	DSM-13-S	3 211 1301 01	
		PG16	14 ~ 16	DSM-16-S	3 211 1601 01	
		PG21	17 ~ 19	DSM-21-S	3 211 2101 01	
		PG29	23 ~ 25	DSM-29-S	3 211 2901 01	
		PG36	33 ~ 35	DSM-36-S	3 211 3601 01	
		PG42	39 ~ 41	DSM-42-S	3 211 4201 01	
		PG48	45 ~ 47	DSM-48-S	3 211 4801 01	
		M12		5 ~ 7	DSM-12-SM	3 211 1201 02
		M16		8 ~ 10	DSM-16-SM	3 211 1601 02
		M20		10 ~ 12	DSM-20-SM	3 211 2001 02
		M25		15 ~ 17	DSM-25-SM	3 211 2501 02
		M32		24 ~ 26	DSM-32-SM	3 211 3201 02
		M40		28 ~ 30	DSM-40-SM	3 211 4001 02
		M50		39 ~ 41	DSM-50-SM	3 211 5001 02
		M63		45 ~ 47	DSM-63-SM	3 211 6301 02

Metal glands with multiple seal



Material: Nickel plated brass
 Seal material: NBR
 Temperature range: -40°C ~ +100°C
 Protection: IP65

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG9	5 ~ 10	DCSM-9	3 101 0901 01
	PG11	7 ~ 12	DCSM-11	3 101 1101 01
	PG13.5	7 ~ 12	DCSM-13	3 101 1301 01
	PG16	7 ~ 15	DCSM-16	3 101 1601 01
	PG21	10 ~ 19	DCSM-21	3 101 2101 01
	PG29	18 ~ 27	DCSM-29	3 101 2901 01
	PG36	24 ~ 32	DCSM-36	3 101 3601 01
	PG42	30 ~ 39	DCSM-42	3 101 4201 01
	PG48	36 ~ 45	DCSM-48	3 101 4801 01
M12		5 ~ 10	DCSM-12-M	3 101 1201 02
M16		6.5 ~ 10	DCSM-16-M	3 101 1601 02
M20		8.5 ~ 13.5	DCSM-20-M	3 101 2001 02
M25		13 ~ 20	DCSM-25-M	3 101 2501 02
M32		19 ~ 28	DCSM-32-M	3 101 3201 02
M40		24 ~ 34	DCSM-40-M	3 101 4001 02
M50		34 ~ 40	DCSM-50-M	3 101 5001 02
M63		39 ~ 46	DCSM-63-M	3 101 6301 02

Metal glands with multiple seal



Material: Nickel plated brass
 Seal material: NBR
 Temperature range: -40°C ~ +100°C
 Protection: IP54

	PG9	8 ~ 10	DCSM-9-S	3 111 0901 01
	PG11	10 ~ 12	DCSM-11-S	3 111 1101 01
	PG13.5	12 ~ 14	DCSM-13-S	3 111 1301 01
	PG16	14 ~ 16	DCSM-16-S	3 111 1601 01
	PG21	17 ~ 19	DCSM-21-S	3 111 2101 01
	PG29	23 ~ 25	DCSM-29-S	3 111 2901 01
	PG36	33 ~ 35	DCSM-36-S	3 111 3601 01
	PG42	39 ~ 41	DCSM-42-S	3 111 4201 01
	PG48	45 ~ 47	DCSM-48-S	3 111 4801 01
M12		5 ~ 7	DCSM-12-SM	3 111 1201 02
M16		8 ~ 10	DCSM-16-SM	3 111 1601 02
M20		10 ~ 12	DCSM-20-SM	3 111 2001 02
M25		15 ~ 17	DCSM-25-SM	3 111 2501 02
M32		24 ~ 26	DCSM-32-SM	3 111 3201 02
M40		28 ~ 30	DCSM-40-SM	3 111 4001 02
M50		39 ~ 41	DCSM-50-SM	3 111 5001 02
M63		45 ~ 47	DCSM-63-SM	3 111 6301 02

Mutiple seal



Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP65

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG9	5 ~ 10	MSL-9	3 100 0900 01
	PG11	7 ~ 12	MSL-11	3 100 1101 01
	PG13.5	7 ~ 12	MSL-13	3 100 1300 01
	PG16	7 ~ 15	MSL-16	3 100 1600 01
	PG21	10 ~ 19	MSL-21	3 100 2100 01
	PG29	18 ~ 27	MSL-29	3 100 2900 01
	PG36	24 ~ 32	MSL-36	3 100 3600 01
	PG42	30 ~ 39	MSL-42	3 100 4200 01
	PG48	36 ~ 45	MSL-48	3 100 4800 01
M12		5 ~ 10	MSL-12-M	3 100 1200 02
M16		6.5 ~ 10	MSL-16-M	3 100 1600 02
M20		8.5 ~ 13.5	MSL-20-M	3 100 2000 02
M25		13 ~ 20	MSL-25-M	3 100 2500 02
M32		19 ~ 28	MSL-32-M	3 100 3200 02
M40		24 ~ 34	MSL-40-M	3 100 4000 02
M50		34 ~ 40	MSL-50-M	3 100 5000 02
M63		39 ~ 46	MSL-63-M	3 100 6300 02

Normal seal



Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP54

	PG9	8 ~ 10	SGL-9	3 300 0900 01
	PG11	10 ~ 12	SGL-11	3 300 1100 01
	PG13.5	12 ~ 14	SGL-13	3 300 1300 01
	PG16	14 ~ 16	SGL-16	3 300 1600 01
	PG21	17 ~ 19	SGL-21	3 300 2100 01
	PG29	23 ~ 25	SGL-29	3 300 2900 01
	PG36	33 ~ 35	SGL-36	3 300 3600 01
	PG42	39 ~ 41	SGL-42	3 300 4200 01
	PG48	45 ~ 47	SGL-48	3 300 4800 01
M12		5 ~ 7	SGL-12-M	3 300 1200 02
M16		8 ~ 10	SGL-16-M	3 300 1600 02
M20		10 ~ 12	SGL-20-M	3 300 2000 02
M25		15 ~ 17	SGL-25-M	3 300 2500 02
M32		24 ~ 26	SGL-32-M	3 300 3201 02
M40		28 ~ 30	SGL-40-M	3 300 4000 02
M50		39 ~ 41	SGL-50-M	3 300 5000 02
M63		45 ~ 47	SGL-63-M	3 300 6300 02

Metal clamp glands with multiple seal



Material:Nickel plated brass
 Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP65

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG9	6.5 ~ 10	ZSM-9	3 135 0901 01
	PG11	7.5 ~ 12	ZSM-11	3 135 1101 01
	PG13.5	8.5 ~ 13.5	ZSM-13	3 135 1301 01
	PG16	10.5 ~ 16	ZSM-16	3 135 1601 01
	PG21	13 ~ 20	ZSM-21	3 135 2101 01
	PG29	19 ~ 28	ZSM-29	3 135 2901 01
	PG36	24 ~ 34	ZSM-36	3 135 3601 01
	PG42	34 ~ 40	ZSM-42	3 135 4201 01
	PG48	39 ~ 46	ZSM-48	3 135 4801 01
M16		6.5 ~ 10	ZSM-16-M	3 135 1601 21
M20		7.5 ~ 12	ZSM-20-M	3 135 2001 21
M25		13 ~ 20	ZSM-25-M	3 135 2501 21
M32		19 ~ 28	ZSM-32-M	3 135 3201 21
M40		24 ~ 34	ZSM-40-M	3 135 4001 21
M50		34 ~ 40	ZSM-50-M	3 135 5001 21
M63		39 ~ 46	ZSM-63-M	3 135 6301 21

Metal clamp glands with normal seal



Material:Nickel plated brass
 Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP54

	PG7	6 ~ 8	ZSM-7-S	3 115 0701 01
	PG9	8 ~ 10	ZSM-9-S	3 115 0901 01
	PG11	10 ~ 12	ZSM-11-S	3 115 1101 01
	PG13.5	12 ~ 14	ZSM-13-S	3 115 1301 01
	PG16	14 ~ 16	ZSM-16-S	3 115 1601 01
	PG21	17 ~ 19	ZSM-21-S	3 115 2101 01
	PG29	26 ~ 28	ZSM-29-S	3 115 2901 01
	PG36	33 ~ 35	ZSM-36-S	3 115 3601 01
	PG42	39 ~ 41	ZSM-42-S	3 115 4201 01
	PG48	43 ~ 45	ZSM-48-S	3 115 4801 01
M12		6 ~ 8	ZSM-12-SM	3 115 1201 21
M16		8 ~ 12	ZSM-16-SM	3 115 1611 21
M20		10 ~ 12	ZSM-20-SM	3 115 2001 21
M25		12 ~ 14	ZSM-25-SM	3 115 2501 21
M32		17 ~ 19	ZSM-32-SM	3 115 3201 21
M40		25 ~ 27	ZSM-40-SM	3 115 4001 21
M50		39 ~ 41	ZSM-50-SM	3 115 5001 21
M63		43 ~ 45	ZSM-63-SM	3 115 6301 21

Metal clamp glands



Material:Nickel plated brass
Temperature range:-40°C~ +100°C

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG7	5.5 ~ 8	KSM-7-MS	3 105 0701 01
	PG9	6.5 ~ 10	KSM-9-MS	3 105 0901 01
	PG11	7.5 ~ 12	KSM-11-MS	3 105 1101 01
	PG13.5	8.5 ~ 14	KSM-13-MS	3 105 1301 01
	PG16	9.5 ~ 16	KSM-16-MS	3 105 1601 01
	PG21	12 ~ 21	KSM-21-MS	3 105 2101 01
	PG29	19 ~ 30	KSM-29-MS	3 105 2901 01
	PG36	25 ~ 37	KSM-36-MS	3 105 3601 01
	PG42	31 ~ 43	KSM-42-MS	3 105 4201 01
	PG48	35 ~ 48	KSM-48-MS	3 105 4801 01
M12		5 ~ 7.5	KSM-12-M	3 105 1201 21
M16		7 ~ 10	KSM-16-M	3 105 1601 21
M20		10 ~ 14	KSM-20-M	3 105 2001 21
M25		12 ~ 21.5	KSM-25-M	3 105 2501 21
M32		16 ~ 27	KSM-32-M	3 105 3201 21
M40		23 ~ 33	KSM-40-M	3 105 4001 21
M50		25 ~ 38.5	KSM-50-M	3 105 5001 21
M63		39 ~ 46	KSM-63-M	3 105 6301 21

Metal flexible tube fittings



Material:Zinc alloy
Seal material:PA
Temperature range:-40°C~ +100°C
Protection:IP40-IP65

	PG11	Ø6	NTC-11-MS	3 510 1101 14
	PG13.5	Ø8	NTC-13-MTS	3 510 1301 24
	PG13.5	Ø10	NTC-13-MS	3 510 1301 14
	PG13.5	Ø12	NTC-13-MES	3 510 1301 34
	PG16	Ø10	NTC-16-MTS	3 510 1601 24
	PG16	Ø12	NTC-16-MS	3 510 1601 14
	PG16	Ø16	NTC-16-MES	3 510 1601 34
	PG21	Ø16	NTC-21-MTS	3 510 2101 24
	PG21	Ø20	NTC-21-MS	3 510 2101 14
	PG29	Ø20	NTC-29-MTS	3 510 2901 24
	PG29	Ø25	NTC-29-MS	3 510 2901 14
	PG36	Ø32	NTC-36-MS	3 510 3601 14
	PG42	Ø38	NTC-42-MS	3 510 4201 14
	PG48	Ø51	NTC-48-MS	3 510 4801 14
M12 X 1.5		Ø6	NTC-12-M	3 510 1201 24
M16 X 1.5		Ø8	NTC-16-MT	3 510 1601 12
M16 X 1.5		Ø10	NTC-16-M	3 510 1601 02
M16 X 1.5		Ø12	NTC-16-ME	3 510 1601 22
M20 X 1.5		Ø10	NTC-20-MT	3 510 2001 12
M20 X 1.5		Ø12	NTC-20-M	3 510 2001 02
M20 X 1.5		Ø16	NTC-20-MT	3 510 2001 22
M25 X 1.5		Ø16	NTC-25-MT	3 510 2501 12
M25 X 1.5		Ø20	NTC-25-M	3 510 2501 02
M32 X 1.5		Ø20	NTC-32-MT	3 510 3201 12
M32 X 1.5		Ø25	NTC-32-M	3 510 3201 02
M40 X 1.5		Ø32	NTC-40-M	3 510 4001 02
M50 X 1.5		Ø38	NTC-50-M	3 510 5001 02
M63 X 1.5		Ø51	NTC-63-M	3 510 6301 02

Nylon flexible tube fittings



Material:PA
 Temperature range:-40°C~ +100°C
 Protection:IP65

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG7	AD 10.0	NTC-7-PMS	3 511 0702 24
	PG9	AD 13.0	NTC-9-PMS	3 511 0902 24
	PG11	AD 15.8	NTC-11-PMS	3 511 1102 24
	PG13.5	AD 13.0	NTC-13-PMS	3 511 1302 24
	PG13.5	AD 15.8	NTC-13-PMTS	3 511 1302 34
	PG13.5	AD 18.5	NTC-13-PMES	3 511 1302 44
	PG13.5	AD 21.2	NTC-13-PMZS	3 511 1302 54
	PG16	AD 21.2	NTC-16-PMS	3 511 1602 24
	PG21	AD 28.5	NTC-21-PMS	3 511 2102 24
	PG29	AD 34.5	NTC-29-PMS	3 511 2902 24
	PG36	AD 42.5	NTC-36-PMS	3 511 3602 24
	PG42	AD 54.5	NTC-42-PMS	3 511 4202 24
	PG48	AD 54.5	NTC-48-PMS	3 511 4802 24
M10 X 1.5		AD 10.0	NTC-10-PM	3 511 1001 24
M12 X 1.5		AD 10.0	NTC-12-PMT	3 511 1201 34
M12 X 1.5		AD 13.0	NTC-12-PM	3 511 1201 24
M16 X 1.5		AD 13.0	NTC-16-PMT	3 511 1601 34
M16 X 1.5		AD 15.8	NTC-16-PM	3 511 1601 24
M20 X 1.5		AD 18.5	NTC-20-PMT	3 511 2001 34
M20 X 1.5		AD 21.2	NTC-20-PM	3 511 2001 24
M25 X 1.5		AD 21.2	NTC-25-PMT	3 511 2501 34
M25 X 1.5		AD 25.8	NTC-25-PM	3 511 2501 24
M25 X 1.5		AD 28.5	NTC-25-PME	3 511 2501 44
M32 X 1.5		AD 28.5	NTC-32-PMT	3 511 3201 34
M32 X 1.5		AD 31.5	NTC-32-PM	3 511 3201 24
M32 X 1.5		AD 34.5	NTC-32-PME	3 511 3201 44
M40 X 1.5		AD 34.5	NTC-40-PMT	3 511 4001 34
M40 X 1.5		AD 42.5	NTC-40-PM	3 511 4001 24
M50 X 1.5		AD 42.5	NTC-50-PMT	3 511 5001 34
M50 X 1.5		AD 54.5	NTC-50-PM	3 511 5001 24
M63 X 1.5		AD 54.5	NTC-63-PM	3 511 6301 24

Nylon blind plugs



Material:PA
 Temperature range:-20°C~ +70°C
 Protection:IP65

	PG9		DN-9-P	3 169 0901 01
	PG11		DN-11-P	3 169 1101 01
	PG13.5		DN-13-P	3 169 1301 01
	PG16		DN-16-P	3 169 1601 01
	PG21		DN-21-P	3 169 2101 01
	PG29		DN-29-P	3 169 2901 01
	PG36		DN-36-P	3 169 3601 01
	PG42		DN-42-P	3 169 4201 01
	PG48		DN-48-P	3 169 4801 01
M12		5 ~ 7.5	DN-12-PM	3 169 1201 21
M16		7 ~ 10	DN-16-PM	3 169 1601 11
M20		10 ~ 14	DN-20-PM	3 169 2001 11
M25		12 ~ 21.5	DN-25-PM	3 169 2501 11
M32		16 ~ 27	DN-32-PM	3 169 3201 11
M40		23 ~ 33	DN-40-PM	3 169 4001 11
M50		25 ~ 38.5	DN-50-PM	3 169 5001 11
M63		39 ~ 46	DN-63-PM	3 169 6301 11

Metal blind plugs



Material: Nickel plated brass
 Temperature range: -40°C ~ +100°C
 Protection: IP65

Metr.	PG	Type	Order NO.
	PG7	BLIND-7-MS	3 165 0701 01
	PG9	BLIND-9-MS	3 165 0901 01
	PG11	BLIND-11-MS	3 165 1101 01
	PG13.5	BLIND-13-MS	3 165 1301 01
	PG16	BLIND-16-MS	3 165 1601 01
	PG21	BLIND-21-MS	3 165 2101 01
	PG29	BLIND-29-MS	3 165 2901 01
	PG36	BLIND-36-MS	3 165 3601 01
	PG42	BLIND-42-MS	3 165 4201 01
	PG48	BLIND-48-MS	3 165 4801 01
M12 X 1.5		BLIND-12-M	3 165 1201 11
M16 X 1.5		BLIND-16-M	3 165 1601 11
M20 X 1.5		BLIND-20-M	3 165 2001 11
M25 X 1.5		BLIND-25-M	3 165 2501 11
M32 X 1.5		BLIND-32-M	3 165 3201 11
M40 X 1.5		BLIND-40-M	3 165 4001 11
M50 X 1.5		BLIND-50-M	3 165 5001 11
M63 X 1.5		BLIND-63-M	3 165 6301 11

Nylon blind plugs



Material: PA
 Temperature range: -40°C ~ +100°C
 Protection: IP65

	PG7	BLIND-7-P	3 166 0701 01
	PG9	BLIND-9-P	3 166 0901 01
	PG11	BLIND-11-P	3 166 1101 01
	PG13.5	BLIND-13-P	3 166 1301 01
	PG16	BLIND-16-P	3 166 1601 01
	PG21	BLIND-21-P	3 166 2101 01
	PG29	BLIND-29-P	3 166 2901 01
	PG36	BLIND-36-P	3 166 3601 01
	PG42	BLIND-42-P	3 166 4201 01
	PG48	BLIND-48-P	3 166 4801 01
M12 X 1.5		BLIND-12-PM	3 166 1201 11
M16 X 1.5		BLIND-16-PM	3 166 1601 11
M20 X 1.5		BLIND-20-PM	3 166 2001 11
M25 X 1.5		BLIND-25-PM	3 166 2501 11
M32 X 1.5		BLIND-32-PM	3 166 3201 11
M40 X 1.5		BLIND-40-PM	3 166 4001 11
M50 X 1.5		BLIND-50-PM	3 166 5001 11
M63 X 1.5		BLIND-63-PM	3 166 6301 11

Metal lock unts



Material: Nickel plated brass
Temperature range: -40°C ~ +100°C

Metr.	PG	Type	Order NO.
	PG7	LN-7-MS	3 161 0700 01
	PG9	LN-9-MS	3 161 0900 01
	PG11	LN-11-MS	3 161 1100 01
	PG13.5	LN-13-MS	3 161 1300 01
	PG16	LN-16-MS	3 161 1600 01
	PG21	LN-21-MS	3 161 2100 01
	PG29	LN-29-MS	3 161 2900 01
	PG36	LN-36-MS	3 161 3600 01
	PG42	LN-42-MS	3 161 4200 01
	PG48	LN-48-MS	3 161 4800 01
M12 X 1.5		LN-12-M	3 161 1200 50
M16 X 1.5		LN-16-M	3 161 1600 50
M20 X 1.5		LN-20-M	3 161 2000 50
M25 X 1.5		LN-25-M	3 161 2500 50
M32 X 1.5		LN-32-M	3 161 3200 50
M40 X 1.5		LN-40-M	3 161 4000 50
M50 X 1.5		LN-50-M	3 161 5000 50
M63 X 1.5		LN-63-M	3 161 6300 50

Nylon lock unts



Material: PA
Temperature range: -40°C ~ +100°C

	PG7	LN-7-P	3 262 0700 01
	PG9	LN-9-P	3 262 0900 01
	PG11	LN-11-P	3 262 1100 01
	PG13.5	LN-13-P	3 262 1300 01
	PG16	LN-16-P	3 262 1600 01
	PG21	LN-21-P	3 262 2100 01
	PG29	LN-29-P	3 262 2900 01
	PG36	LN-36-P	3 262 3600 01
	PG42	LN-42-P	3 262 4200 01
	PG48	LN-48-P	3 262 4800 01
M12 X 1.5		LN-12-PM	3 262 1200 50
M16 X 1.5		LN-16-PM	3 262 1600 50
M20 X 1.5		LN-20-PM	3 262 2000 50
M25 X 1.5		LN-25-PM	3 262 2500 50
M32 X 1.5		LN-32-PM	3 262 3200 50
M40 X 1.5		LN-40-PM	3 262 4000 50
M50 X 1.5		LN-50-PM	3 262 5000 50
M63 X 1.5		LN-63-PM	3 262 6300 50

Metal increasers



Material: Nickel plated brass
Temperature range: -40°C ~ +100°C

Metr.	PG	Type	Order NO.
	PG7→PG9	INCR-7/9-PG	3 033 0709 01
	PG9→PG11	INCR-9/11-PG	3 033 0911 01
	PG11→PG13.5	INCR-11/13-PG	3 033 1113 01
	PG11→PG16	INCR-11/16-PG	3 033 1116 01
	PG13.5→PG16	INCR-13/16-PG	3 033 1316 01
	PG13.5→PG21	INCR-13/21-PG	3 033 1321 01
	PG16→PG21	INCR-16/21-PG	3 033 1621 01
	PG21→PG29	INCR-21/29-PG	3 033 2129 01
	PG29→PG36	INCR-29/36-PG	3 033 2936 01
	PG36→PG42	INCR-36/42-PG	3 033 3642 01
M16→M20		INCR-16/20-M	3 033 1620 50
M20→M25		INCR-20/25-M	3 033 2025 50
M25→M32		INCR-25/32-M	3 033 2532 50
M32→M40		INCR-32/40-M	3 033 3240 50
M40→M50		INCR-40/50-M	3 033 4050 50
M50→M63		INCR-50/63-M	3 033 5063 50
	PG9→PG7	REDU-9/7-PG	3 071 0907 01
	PG11→PG7	REDU-11/7-PG	3 071 1107 01
	PG13.5→PG9	REDU-13/9-PG	3 071 1309 01
	PG13.5→PG11	REDU-13/11-PG	3 071 1311 01
	PG16→PG9	REDU-16/9-PG	3 071 1609 01
	PG16→PG11	REDU-16/11-PG	3 071 1611 01
	PG16→PG13.5	REDU-16/13-PG	3 071 1613 01
	PG21→PG11	REDU-21/11-PG	3 071 2111 01
	PG21→PG13.5	REDU-21/13-PG	3 071 2113 01
	PG21→PG16	REDU-21/16-PG	3 071 2116 01
	PG29→PG16	REDU-29/16-PG	3 071 2916 01
	PG29→PG21	REDU-29/21-PG	3 071 2921 01
	PG36→PG21	REDU-36/21-PG	3 071 3621 01
	PG36→PG29	REDU-36/29-PG	3 071 3629 01
	PG42→PG29	REDU-42/29-PG	3 071 4229 01
	PG42→PG36	REDU-42/36-PG	3 071 4236 01
	PG48→PG36	REDU-48/36-PG	3 071 4836 01
	PG48→PG42	REDU-48/42-PG	3 071 4842 01
M16→M12		REDU-16/12-M	3 071 1612 50
M20→M12		REDU-20/12-M	3 071 2012 50
M20→M16		REDU-20/16-M	3 071 2016 50
M25→M20		REDU-25/16-M	3 071 2516 50
M32→M20		REDU-25/20-M	3 071 2520 50
M32→M25		REDU-32/25-M	3 071 3225 50
M40→M25		REDU-40/25-M	3 071 4025 50
M40→M32		REDU-40/32-M	3 071 4032 50
M50→M32		REDU-50/32-M	3 071 5032 50
M50→M40		REDU-50/40-M	3 071 5040 50
M63→M40		REDU-63/40-M	3 071 6340 50
M63→M50		REDU-63/50-M	3 071 6350 50

Metal reducers



Material: Nickel plated brass
Temperature range: -40°C ~ +100°C

Cable clamper

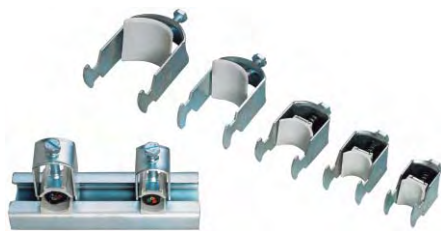


Protection:IP65
Material:metal

Type	Dimensions	Order NO.	rail adaptor system
C-Type rail	CR40	19 0000 0000	

Type	Dimensions	Order NO.
BK 12	8~12	1 912 0612 00
BK 14	12~14	1 912 0614 00
BK 18	14~18	1 912 0618 00
BK 22	18~22	1 912 0622 00
BK 26	22~26	1 912 0626 00
BK 32	26~32	1 912 0632 00
BK 34	30~34	1 912 0634 00
BK 38	34~38	1 912 0638 00
BK 42	38~42	1 912 0642 00
BK 48	42~48	1 912 0648 00
BK 52	48~52	1 912 0652 00
BK 56	52~56	1 912 0656 00
BK 60	56~60	1 912 0660 00
BK 64	60~64	1 912 0664 00
BK 70	64~70	1 912 0670 00

Cable clamper



Protection:IP65
Material:Stainless steel

Type	Dimensions	Order NO.	rail adaptor system
C-Type rail	CR40	19 0000 0001	

BK~S 12	8~12	1 912 0612 01
BK~S 14	12~14	1 912 0614 01
BK~S 18	14~18	1 912 0618 01
BK~S 22	18~22	1 912 0622 01
BK~S 26	22~26	1 912 0626 01
BK~S 32	26~32	1 912 0632 01
BK~S 34	30~34	1 912 0634 01
BK~S 38	34~38	1 912 0638 01
BK~S 42	38~42	1 912 0642 01
BK~S 48	42~48	1 912 0648 01
BK~S 52	48~52	1 912 0652 01
BK~S 56	52~56	1 912 0656 01
BK~S 60	56~60	1 912 0660 01
BK~S 64	60~64	1 912 0664 01
BK~S 70	64~70	1 912 0670 01

Direct installation yokes



Direct rail mounting



Mounting rails



Quick installation yokes



SKT3-8SC	3-8	3 9200 308 01
SKT4-13SC	4-13.5	3 9200 413 01
SKT10-20SC	10-20	3 9201 020 01
SKT15-32SC	15-32	3 9201 532 01
SKTP3-8SC	3-8	3 9300 308 01
SKTP4-13SC	4-13.5	3 9300 413 01
SKTP10-20SC	10-20	3 9301 020 01
SKTP15-32SC	15-32	3 9301 532 01
SKT2-6	2-6	3 9100 206 01
SKT3-8	3-8	3 9100 308 01
SKT4-13.5	4-13.5	3 9100 413 01
SKT10-20	10-20	3 9101 020 01
SKT15-32	15-32	3 9101 532 01
QSKT 1-6	1.5-6.5	3 9300 106 00
QSKT 5-11	5-11	3 9300 511 00
QSKT 10-17	10-17	3 9301 017 00

Metal cable gland



Material:Nickel plated brass
 Press seal material:PA
 Seal material:NBR
 Temperature range:-40°C~ +100°C
 Protection:IP68

Metr.	PG	Clamp range (mm)	Type	Order NO.
	PG7	2 ~ 5	DLX-7-NMTS	3 629 0701 11
		3 ~ 6.5	DLX-7-NMS	3 629 0701 01
	PG9	2 ~ 6	DLX-9-NMTS	3 629 0901 11
		4 ~ 8	DLX-9-NMS	3 629 0901 01
	PG11	3 ~ 7	DLX-11-NMTS	3 629 1101 11
		5 ~ 10	DLX-11-NMS	3 629 1101 01
	PG13.5	5 ~ 9	DLX-13-NMTS	3 629 1301 11
		6 ~ 12	DLX-13-NMS	3 629 1301 01
	PG16	7 ~ 12	DLX-16-NMTS	3 629 1601 11
		10 ~ 14	DLX-16-NMS	3 629 1601 01
PG21	9 ~ 16	DLX-21-NMTS	3 629 2101 11	
	13 ~ 18	DLX-21-NMS	3 629 2101 01	
PG29	13 ~ 20	DLX-29-NMTS	3 629 2901 11	
	18 ~ 25	DLX-29-NMS	3 629 2901 01	
PG36	20 ~ 26	DLX-36-NMTS	3 629 3601 11	
	22 ~ 32	DLX-36-NMS	3 629 3601 01	
PG42	25 ~ 31	DLX-42-NMTS	3 629 4201 11	
	32 ~ 38	DLX-42-NMS	3 629 4201 01	
PG48	29 ~ 35	DLX-48-NMTS	3 629 4801 11	
	37 ~ 44	DLX-48-NMS	3 629 4801 01	
M12 X 1.5		2 ~ 5	DLX-12-NMT	3 629 1201 12
		3 ~ 6.5	DLX-12-NM	3 629 1201 02
M16 X 1.5		2 ~ 6	DLX-16-NMT	3 629 1601 12
		4 ~ 8	DLX-16-NM	3 629 1601 02
M20 X 1.5		5 ~ 9	DLX-20-NMT	3 629 2001 12
		6 ~ 12	DLX-20-NM	3 629 2001 02
M25 X 1.5		9 ~ 16	DLX-25-NMT	3 629 2501 12
		13 ~ 18	DLX-25-NM	3 629 2501 02
M32 X 1.5		13 ~ 20	DLX-32-NMT	3 629 3201 12
		18 ~ 25	DLX-32-NM	3 629 3201 02
M40 X 1.5	20 ~ 26	DLX-40-NMT	3 629 4001 12	
	22 ~ 32	DLX-40-NM	3 629 4001 02	
M50 X 1.5	25 ~ 31	DLX-50-NMT	3 629 5001 12	
	32 ~ 38	DLX-50-NM	3 629 5001 02	
M63 X 1.5	29 ~ 35	DLX-63-NMT	3 629 6301 12	
	37 ~ 44	DLX-63-NM	3 629 6301 02	

Angled metal cable glands



Material:Nickel plated brass
 Temperature range:-40°C~ +100°C
 Protection:IP68

	PG9	Ø11	STUD-9-MS	3 2650 909 01
	PG11	Ø14	STUD-11-MS	3 2651 111 01
	PG13.5	Ø16	STUD-13-MS	3 2651 313 01
	PG16	Ø18	STUD-16-MS	3 2651 601 01
	PG21	Ø21	STUD-21-MS	3 2652 121 01
	PG29	Ø31	STUD-29-MS	3 2652 929 01
	M16X1.5	Ø12	STUD-16-M	3 2651 616 11
	M20X1.5	Ø15.5	STUD-20-M	3 2652 020 11
	M25X1.5	Ø20.5	STUD-25-M	3 2652 525 11
	M32X1.5	Ø27.5	STUD-32-M	3 2652 525 11
M40X1.5	Ø34.5	STUD-40-M	3 2654 040 11	

Clips	AD	Ø	Type	Order NO.
 <p>Material:Stainless steel Temperature range: -40°C~ +105°C</p>	AD10	10	Clip-06	3310010000
	AD13	13	Clip-09	3310013000
	AD15.8	15	Clip-11	3310015000
	AD21.2	22	Clip-16	3310022000
	AD28.5	28	Clip-21	3310028000
	AD34.5	34	Clip-29	3310034000
	AD42.5	40	Clip-36	3310040000
	AD54.5	54	Clip-48	3310054000
	AD80	79	Clip-70	3310079000
	AD106	105	Clip-95	3310105000
<p>Tube clamp</p>  <p>Material:PC Temperature range:-40°C~ +110°C</p>	EW-7	10	UH-7	3311010000
	EW-9	13	UH-9	3311013000
	EW-11	15.8	UH-11	3311015000
	EW-13	18.5	UH-13	3311018000
	EW-16	21.2	UH-16	3311021000
	EW-21	28.5	UH-21	3311028000
	EW-29	34.5	UH-29	3311034000
	EW-36	42.5	UH-36	3311042000
<p>Tube clamp</p>  <p>Material:PC Temperature range:-40°C~ +110°C</p>	EW-7	10	UHF-7	3311010001
	EW-9	13	UHF-9	3311013001
	EW-11	15.8	UHF-11	3311015001
	EW-13	18.5	UHF-13	3311018001
	EW-16	21.2	UHF-16	3311021001
	EW-21	28.5	UHF-21	3311028001
	EW-29	34.5	UHF-29	3311034001
	EW-36	42.5	UHF-36	3311042001
<p>Tube clamp</p>  <p>Material:PC Temperature range:-40°C~ +110°C</p>	EW-9	13	UHO-9	3311013002
	EW-11	15.8	UHO-11	3311015002
	EW-16	21.2	UHO-16	3311021002
	EW-21	28.5	UHO-21	3311028002
	EW-29	34.5	UHO-29	3311034002

Inside and outside thread adapter	Metr.	PG	Type	Order NO.
 <p>Material: Nickel plated brass Temperature range: -40°C ~ +100°C</p>		PG11	STUD-PG11	3 333 1111 01
		PG13.5	STUD-PG13.5	3 333 1313 01
		PG16	STUD-PG16	3 333 1616 01
		PG21	STUD-PG21	3 333 2121 01
		PG29	STUD-PG29	3 333 2929 01
		PG36	STUD-PG36	3 333 3636 01
	M12 X 1.5		STUD-M12	3 333 1212 11
	M16 X 1.5		STUD-M16	3 333 1616 11
	M20 X 1.5		STUD-M20	3 333 2020 11
	M25 X 1.5		STUD-M25	3 333 2525 11
	M32 X 1.5		STUD-M32	3 333 3232 11
	M40 X 1.5		STUD-M40	3 333 4040 11
	M50 X 1.5		STUD-M50	3 333 5050 11
	M63 X 1.5		STUD-M63	3 333 6363 11
<p>Cable gland clamps</p>  <p>Material: Nickel plated brass Temperature range: -30°C ~ +100°C Protection: IP65</p>			WSM-16-MS	3 125 1601 11
<p>Fuse breaker</p> 			Fuse-P1	1 900 0000 01
<p>Cable fitting</p> 			5XECD	3 100 0000 11

Plastic enclosures



Material:PC
 Temperature range:-40°C~ +100°C
 Protection:IP65

Plastic enclosures

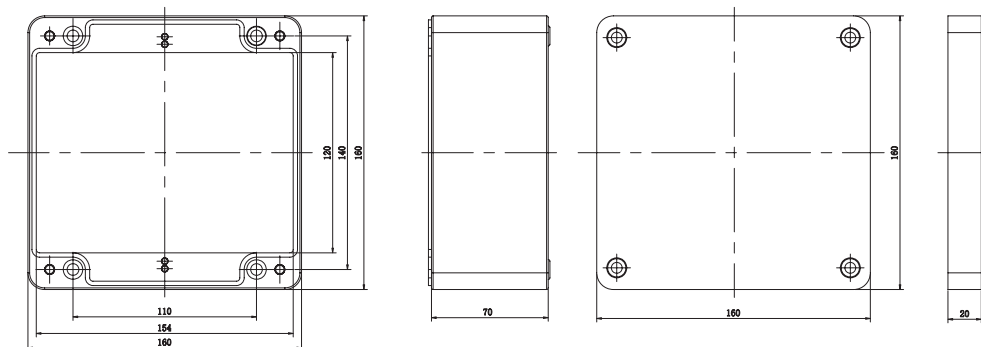
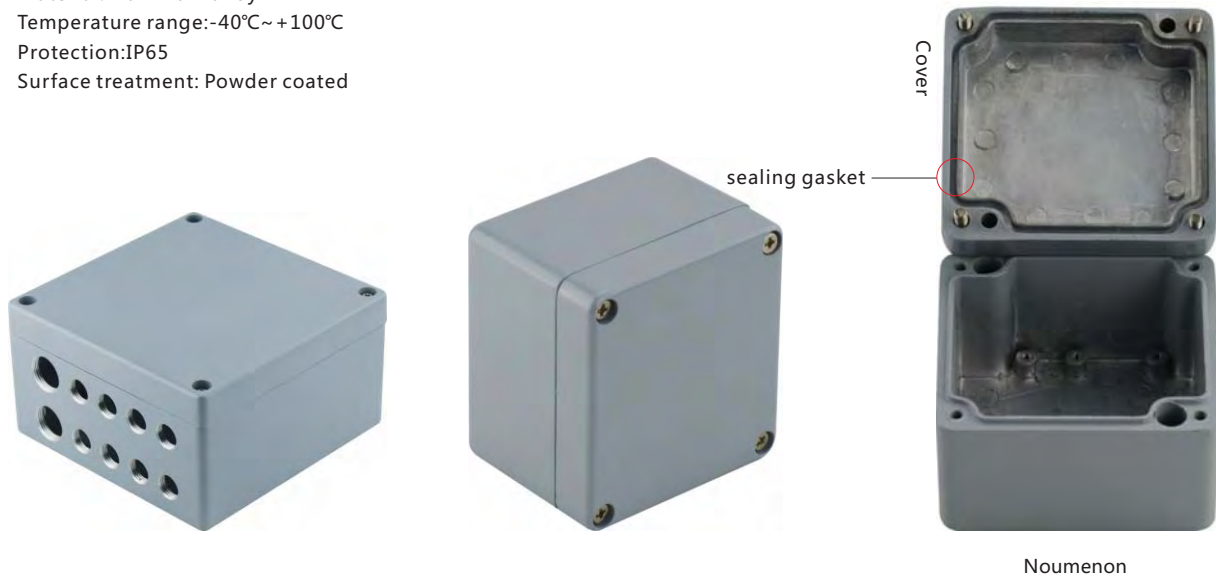


Material:ABS
 Temperature range:-40°C~ +100°C
 Protection:IP65

Type	Dimensions	Order NO.
PW8	80 x 75 x 55	9520080000
PW9	80 x 80 x 60	9520090000
PW10	100 x 68 x 50	9520100000
PW11	115 x 90 x 55	9520110000
PW12	120 x 80 x 60	9520120000
PW20	122 x120 x 55	9520200000
PW21	120 x 120 x 90	9520210000
PW22	160 x 80 x 55	9520220000
PW23	160 x 160 x 90	9520230000
PW24	160 x 45 x 55	9520240000
PW25	180 x 125 x 66	9520250000
PW30	200 x120 x 75	9520300000
PW31	200 x 120 x 60	9520310000
PW32	200 x 120 x 90	9520320000
PW36	240 x 80 x 80	9520360000
PW38	240 x 120 x 90	9520380000
PW39	240 x160 x 90	9520390000
PW42	260 x160 x 90	9520420000
PW52	360 x160 x 90	9520520000
AW8	80 x 75 x 55	9520082000
AW9	80 x 80 x 60	9520092000
AW10	100 x 68 x 50	9520102000
AW11	115 x 90 x 55	9520112000
AW12	120 x 80 x 60	9520122000
AW20	122 x120x 55	9520202000
AW21	120 x120 x 90	9520212000
AW22	160 x 80 x 55	9520222000
AW23	160 x 160 x 90	9520232000
AW24	160 x 45 x 55	9520242000
AW25	180 x 125 x 66	9520252000
AW30	200 x120 x 75	9520302000
AW31	200 x 120 x 60	9520312000
AW32	200 x 120 x 90	9520322000
AW36	240 x 80 x 80	9520362000
AW38	240 x 120 x 90	9520382000
AW39	240 x 160 x 90	9520392000
AW42	260 x 160 x 90	9520422000
AW52	360 x 160 x 90	9520522000

Aluminum enclosures

Material: Aluminum alloy
 Temperature range: -40°C ~ +100°C
 Protection: IP65
 Surface treatment: Powder coated

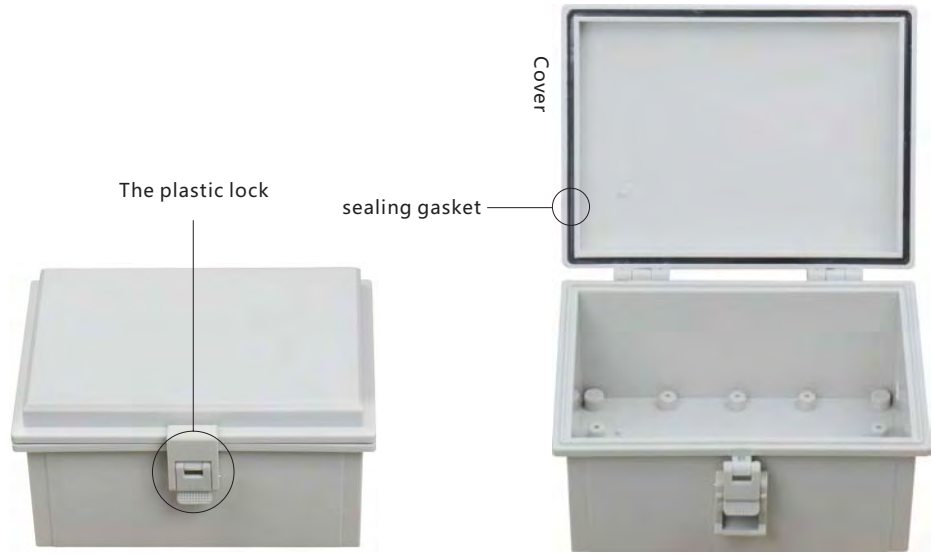


Type	Dimensions	Order NO.
K6	64 x 58 x 38	9529061000
K8	80 x 75 x 60	9529081000
K9	90 x 36 x 30	9529091000
K10	98 x 64 x 37.5	9529101000
K11	111x 64 x 37	9529111000
K12	115x 65 x 55	9529121000
K20	120x 80 x 56	9529201000
K21	125x 80 x 58	9529211000
K22	150x 64 x 36	9529221000

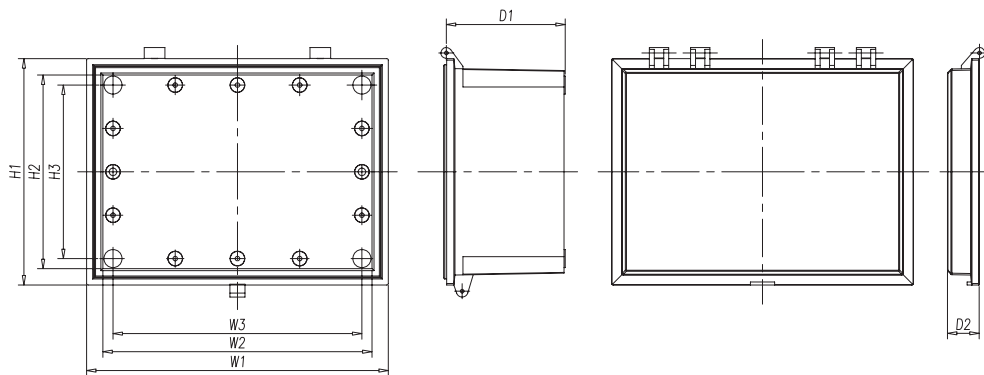
Type	Dimensions	Order NO.
K23	160x160x 90	9529231000
K24	150x100x 54	9529241000
K25	175x 80 x 58	9529251000
K30	188x120x 80	9529301000
K36	222x145x 55	9529361000
K37	222x145x 78	9529371000
K41	250x 80 x 58	9529411000
K42	260x160x 91	9529421000
K52	360x160x 90	9529521000

Economic Switch Box

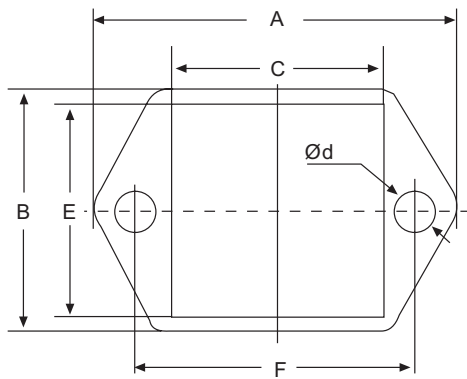
Material:ABS
 Temperature range:-40°C~ +70°C
 Protection:IP65



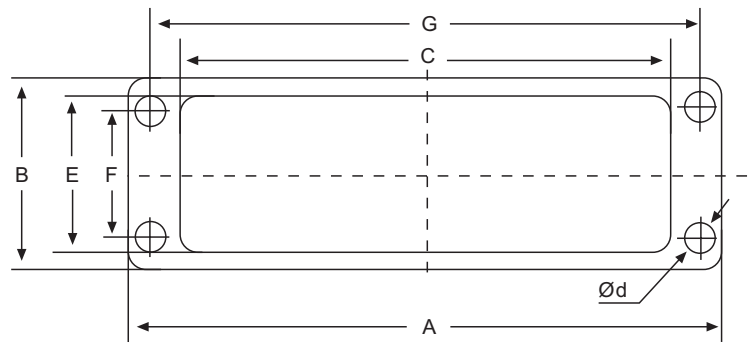
Noumenon



Type	W1	W2	W3	H1	H2	H3	D1	D2	Order NO.
FB160100085	160	138	125	100	80	65	64	21	9 529 1610 85
FB150150090	150	126	110	150	126	110	71	19	9 529 1515 90
FB200150100	200	178	165	150	128	115	78	22	9 529 2015 10
FB280190130	280	262	225	190	172	140	100	30	9 529 2819 13
FB175125085	175	155	140	125	105	90	65	20	9 529 1712 85
FB125175085	125	105	90	175	155	140	65	20	9 529 1217 85
FB200110090	200	180	165	110	90	75	70	20	9 529 2011 90
FB160210090	160	185	175	210	140	125	70	20	9 529 1621 90
FB200150130	200	177	165	150	127	115	110	20	9 529 2015 13
FB250170100	250	228	215	170	148	135	80	20	9 529 2517 10



H3A housing



HA series housings
HB series housings

Shell type	Mounted type	Dimensions(mm)						
		A	B	C	E	F	G	Ød
H3A	Bulkhead	40	28	21	21	30	-	3.3
	Surface	40	28	-	-	30	-	3.3
H10A	Bulkhead	81	29.5	57.5	24	17.5	70	3.6
	Surface	80	50	-	-	40	48	4.5
H16A	Bulkhead	96	29.5	73.7	24	17.5	86	3.6
	Surface	96	50	-	-	40	64	4.5
H32A	Bulkhead	102	56	74.2	48.4	42	92	4.3
	Surface	106	57	-	-	46	94	5.5
H6B	Bulkhead	80	43	52.2	35	32	70	4.3
	Surface	82	52	-	-	40	70	5.5
H10B	Bulkhead	93	43	65.2	35	32	83	4.3
	Surface	94	52	-	-	40	82	5.5
H16B	Bulkhead	113	43	85.5	35	32	103	4.3
	Surface	117	57	-	-	45	105	5.5
H24B	Bulkhead	140	43	112.2	35	32	130	4.3
	Surface	144	57	-	-	45	132	5.5
H32B	Bulkhead	124	79	85.5	71	65	110	5.5
	Surface	124.5	81	-	-	67	112	5.5
H48B	Bulkhead	165	90	124	82	70	148	7
	Surface	132	120	-	-	106	111	6.5



HEAVY DUTY CONNECTORS



CABLE ACCESSORIES



M16/ M23/RD24 CONNECTORS



M5/M8/ M12 CONNECTORS



Industry connectors

Distributor:



Xiamen Sibas contact Co.,Ltd

Add:No.20 Xiang Hong Road,Torch High-techDevelopment

Zone, Xiang'an,Xiamen,P.R.China

Tel:+86-592-6018855

Fax:+86-592-6018833

E-mail:sales@sibas.cn

Http://www.sibas.cn

Zipcode:361101

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