



HSB系列/HSB Series

1. 产品制造规范/Specifications

VDE 0110 爬电距离及电气间隙/Concerning clearance and creepage distances

VDE 0627 插头插座/Connectors and plug devices

2. 标准/Standard

DIN EN 60 664-1

DIN EN 61 984

3. 产品认证/Approvals



规范/Specifications DIN EN 60 664-1
DIN EN 61 984

接插件针数
Number of contacts 6,12(2x6)+PE

接插体/Inserts

工作电流/Working current 35A max
(见电流负载图/See current carrying capacity)
工作电压/Working voltage 690V
测试电压/Test voltage urms 6KV
隔离电阻/Insulation resistance $\geq 10^{10}\Omega$
材料/Material Polyamide
工作温度范围
Temperature range $-40^{\circ}\text{C} \dots +100^{\circ}\text{C}/125^{\circ}\text{C}$
阻燃等级 (据UL94) V0
Flammability acc.to UI94
据UL/CSA工作电压 600V
Working voltage acc.to UL/CSA
可拔插次数 ≥ 500
Mechanical working life-mating cycles

接插针/Contacts

材料/Material 铜/Copper alloy
表面处理/Surface 镀银/Hard silver-plated
接触电阻/Contact resistance $\leq 1\text{m}\Omega$
接线形式/Terminal 螺钉压接/Screw terminal
-mm² 6mm²
-AWG 10
拧紧力矩/测试力矩 1.2Nm
-Tightenting/test torque

金属上壳, 底座/Hoods,Housings

材料/Material 铸铝合金/Die cast aluminium
表面处理/Surface 高温粉末镀层/Powder-coated
(灰色RAL 7037)
锁定装置Locking element 不锈钢或铁镀锌
Stainless steel,
steel-zinc plated
工作温度范围
Temperature range $-40^{\circ}\text{C} \dots +125^{\circ}\text{C}$
防护等级 IP65
Degree of protection acc.to DIN40 050

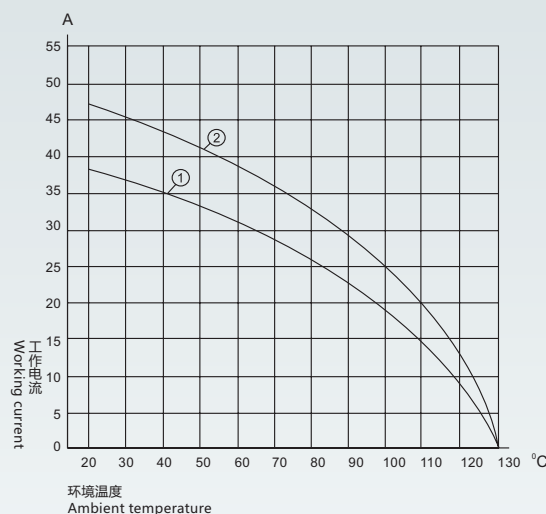
电流负载能力/Current carrying capacity

电流负载能力所受的限制主要来自于包含接插针的接插体可承受的最大温度。

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals.

测试和控制过程依据DIN IEC 60512-3

Control and test procedures according to DIN IEC 60512-3



①线径/Wire gauge:4.0mm²

②线径/Wire gauge:6.0mm²

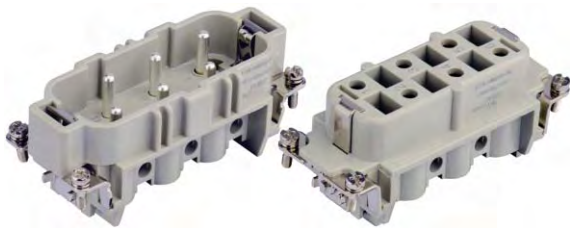
芯件适配H16B外壳
Inserts suit for H16B Hood/housing

6+ $\oplus$

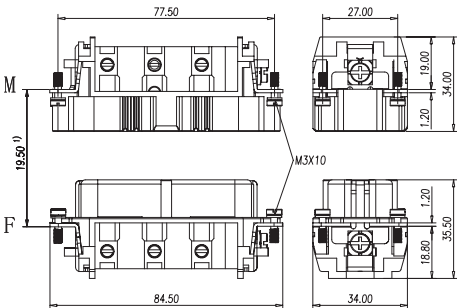
690V 35A

外型尺寸(mm)/Dimensions(mm)

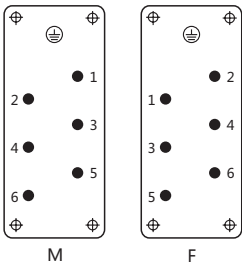
螺钉压接/Screw terminal



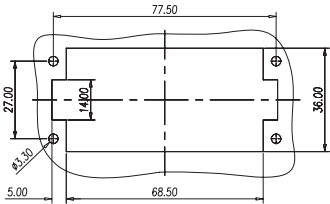
1)接插体之间最大距离21mm/Distance for contact max.21mm



接插针排序/Contact arrangement
view from termination side



不使用防护外壳时芯体的安装开孔图
Panel cut out for inserts for use without hoods/housings



订货号/Order NO.		型号 Type
公接插件/Male insert	母接插件/Female insert	
2 06 006 2101		HSB-006-M
	2 06 006 2201	HSB-006-F

HSB

H16B 带双扣外壳 | H16B with 2 levers on the hoods/housings



表面粉末镀层, RAL 7037
Powder-coated, RAL 7037

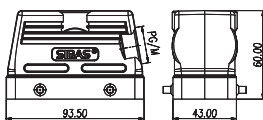
HSB

外型尺寸(mm)/Dimensions(mm)

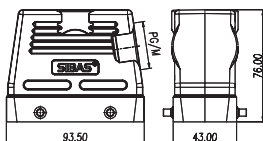
外壳上壳:侧面进线
Hood:Side entry



低结构/Low construction



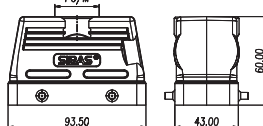
高结构/High construction



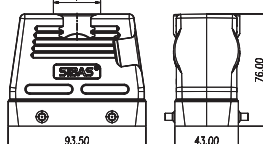
外壳上壳:顶部进线
Hood:Top entry



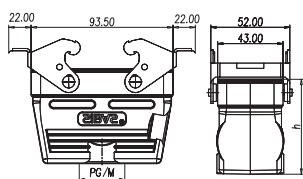
低结构/Low construction



高结构/High construction



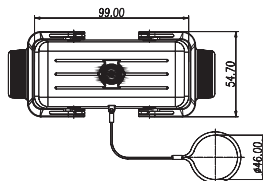
电缆对接下壳
Cable-to-cable hood



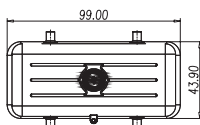
	h
低结构/Low construction	62.5
高结构/High construction	78.5

低结构
Low construction
高结构
High construction

上壳保护壳
Protection covers for hoods



底座保护壳
Housing protection cover



Metr.	PG	型号/Type	订货号/Order NO.
M25 M32	PG16 PG21	H16B-TS-PG16	1 21 016 0116
		H16B-TS-PG21	1 21 016 0121
		H16B-TS-M25	1 21 016 0125
		H16B-TS-M32	1 21 016 0132
M25 M32 M40	PG21 PG29	H16B-TSH-PG21	1 23 016 0121
		H16B-TSH-PG29	1 23 016 0129
		H16B-TSH-M25	1 23 016 0125
		H16B-TSH-M32	1 23 016 0132
M25 M32 M40	PG21 PG29	H16B-TGH-PG21	1 24 016 0121
		H16B-TGH-PG29	1 24 016 0129
		H16B-TGH-M25	1 24 016 0120
		H16B-TGH-M32	1 24 016 0125
M25 M32 M40	PG21 PG29	H16B-TBF-PG21	1 71 016 0121
		H16B-TBF-M25	1 71 016 0125
		H16B-TBF-M32	1 71 016 0132
		H16B-TBFH-PG21	1 75 016 0121
M25 M32 M40	PG21 PG29	H16B-TBFH-PG29	1 75 016 0129
		H16B-TBFH-M25	1 75 016 0125
		H16B-TBFH-M32	1 75 016 0132
		H16B-TBFH-M40	1 75 016 0140
		H16B-KDTP	1 01 016 1400
		H16B-KDBP	1 01 016 2100

西霸士
SIBAS

外型尺寸(mm)/Dimensions(mm)



	h
低结构/Low construction	56
高结构/Low construction	81

	h
低结构/Low construction	60
高结构/Low construction	76

	h
低结构/Low construction	60
高结构/Low construction	76

帶保護蓋/With protection cover

[illegible]

	a	b	c	d	f	g	h
低结构/Low construction	105	117	45	57	20	65	56
高结构/Low construction	105	117	45	57	20	65	81

 Metr.	 PG	型号/Type	订货号/Order NO.
		H16B-AG	1 41 016 0000
M25	PG21	H16B-SGR-PG21	1 44 016 0121
		H16B-SGR-M25	1 44 016 0125
M25	PG21	H16B-SGR-2PG21	1 44 016 0221
		H16B-SGR-2M25	1 44 016 0225
M25	PG21	H16B-SGRH-PG21	1 47 016 0121
M32	PG29	H16B-SGRH-PG29	1 47 016 0129
		H16B-SGRH-M25	1 47 016 0125
		H16B-SGRH-M32	1 47 016 0132
M25	PG21	H16B-SGRH-2PG21	1 47 016 0221
M32	PG29	H16B-SGRH-2PG29	1 47 016 0229
		H16B-SGRH-2M25	1 47 016 0225
		H16B-SGRH-2M32	1 47 016 0232
M20	PG16	H16B-TSB-PG16	1 25 016 0116
M25	PG21	H16B-TSB-PG21	1 25 016 0121
		H16B-TSB-M20	1 25 016 0120
		H16B-TSB-M25	1 25 016 0125
M25	PG21	H16B-TSBH-PG21	1 27 016 0121
M32	PG29	H16B-TSBH-PG29	1 27 016 0129
		H16B-TSBH-M25	1 27 016 0125
		H16B-TSBH-M32	1 27 016 0132
M20	PG16	H16B-TGB-PG16	1 26 016 0116
M25	PG21	H16B-TGB-PG21	1 26 016 0121
		H16B-TGB-M20	1 26 016 0120
		H16B-TGB-M25	1 26 016 0125
M25	PG21	H16B-TGBH-PG21	1 28 016 0121
M32	PG29	H16B-TGBH-PG29	1 28 016 0129
		H16B-TGBH-M25	1 28 016 0125
		H16B-TGBH-M32	1 28 016 0132
		H16B-AD-BO	1 43 016 0000
M25	PG21	H16B-SDR-BO-PG21	1 46 016 0121
		H16B-SDR-BO-M25	1 46 016 0125
M25	PG21	H16B-SDR-BO-2PG21	1 46 016 0221
		H16B-SDR-BO-2M25	1 46 016 0225
M25	PG21	H16B-SDRH-BO-PG21	1 49 016 0121
M32	PG29	H16B-SDRH-BO-PG29	1 49 016 0129
		H16B-SDRH-BO-M25	1 49 016 0125
		H16B-SDRH-BO-M32	1 49 016 0132
M25	PG21	H16B-SDRH-BO-2PG21	1 49 016 0221
M32	PG29	H16B-SDRH-BO-2PG29	1 49 016 0229
		H16B-SDRH-BO-2M25	1 49 016 0225
		H16B-SDRH-BO-2M32	1 49 016 0232

HSB

H16B 带单扣外壳 | H16B with 1 levers on the hoods/housings



表面粉末镀层, RAL 7037
Powder-coated, RAL 7037

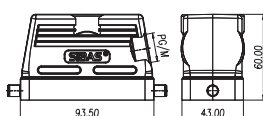
外型尺寸(mm)/Dimensions(mm)

外壳上壳:侧面进线
Hood:Side entry

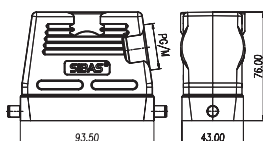
HSB



低结构/Low construction



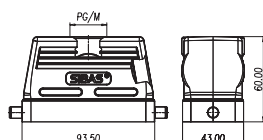
高结构/High construction



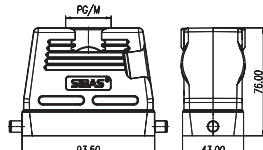
外壳上壳:顶部进线
Hood:Top entry



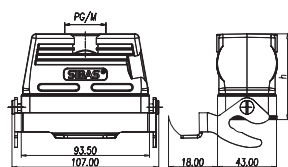
低结构/Low construction



高结构/High construction



电缆对接下壳
Cable-to-cable hood



	h
低结构/Low construction	62.5
高结构/High construction	78.5

低结构
High construction

上壳保护壳
Protection covers for hoods



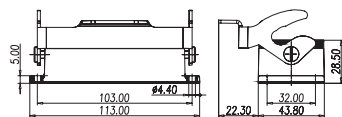
Metr.	PG	型号/Type	订货号/Order NO.
M25 M32	PG21 PG29	H16B-TS-RO-PG21	1 31 016 0121
		H16B-TS-RO-PG29	1 31 016 0129
		H16B-TS-RO-M25	1 31 016 0125
		H16B-TS-RO-M32	1 31 016 0132
M25 M32 M40	PG21 PG29	H16B-TSH-RO-PG21	1 33 016 0121
		H16B-TSH-RO-PG29	1 33 016 0129
		H16B-TSH-RO-M25	1 33 016 0125
		H16B-TSH-RO-M32	1 33 016 0132
		H16B-TSH-RO-M40	1 33 016 0140
M25 M32	PG21 PG29	H16B-TG-RO-PG21	1 32 016 0121
		H16B-TG-RO-PG29	1 32 016 0129
		H16B-TG-RO-M25	1 32 016 0125
		H16B-TG-RO-M32	1 32 016 0132
M25 M32 M40	PG21 PG29	H16B-TGH-RO-PG21	1 34 016 0121
		H16B-TGH-RO-PG29	1 34 016 0129
		H16B-TGH-RO-M25	1 34 016 0125
		H16B-TGH-RO-M32	1 34 016 0132
		H16B-TGH-RO-M40	1 34 016 0140
M25 M32	PG21 PG29	H16B-TBF-LB-PG21	1 73 016 0121
		H16B-TBF-LB-PG29	1 73 016 0129
		H16B-TBF-LB-M25	1 73 016 0125
		H16B-TBF-LB-M32	1 73 016 0132
M20 M25 M40	PG21 PG29	H16B-TBFH-LB-PG21	1 77 016 0121
		H16B-TBFH-LB-PG29	1 77 016 0129
		H16B-TBFH-LB-M25	1 77 016 0125
		H16B-TBFH-LB-M32	1 77 016 0132
		H16B-TBFH-LB-M40	1 77 016 0140
		H16B-KDTP-LB	1 01 016 1500

H16B 带单扣外壳 |H16B with 1 levers on the hoods/housings

表面粉末镀层, RAL 7037
Powder-coated, RAL 7037

外型尺寸(mm)/Dimensions(mm)

外壳底座:开孔安装
Bulkhead mounted



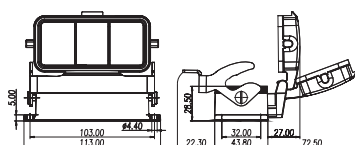
H16B-AG-LB

1 50 016 0000

HSB



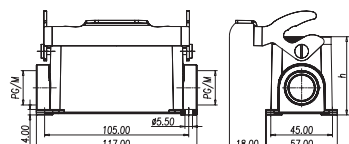
带保护盖/With protection cover



H16B-AD-LB

1 51 016 0000

外壳底座:表面安装
Surface mounted:Side entry



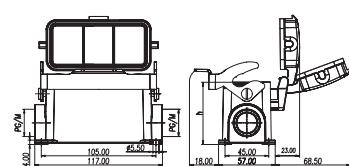
	h
低结构/Low construction	56
高结构/Low construction	81

1 侧入口
1 Side entry
低结构
Low construction
2 侧入口
2 Side entry
高结构
High construction

M20	PG16	H16B-SGR-LB-PG16	1 61 016 0116
	PG21	H16B-SGR-LB-PG21	1 61 016 0121
M25		H16B-SGR-LB-M20	1 61 016 0120
		H16B-SGR-LB-M25	1 61 016 0125
M20	PG16	H16B-SGR-LB-2PG16	1 61 016 0216
	PG21	H16B-SGR-LB-2PG21	1 61 016 0221
M25		H16B-SGR-LB-2M20	1 61 016 0220
		H16B-SGR-LB-2M25	1 61 016 0225
M25	PG21	H16B-SGRH-LB-PG21	1 65 016 0121
	PG29	H16B-SGRH-LB-PG29	1 65 016 0129
M32		H16B-SGRH-LB-M25	1 65 016 0125
		H16B-SGRH-LB-M32	1 65 016 0132
M25	PG21	H16B-SGRH-LB-2PG21	1 65 016 0221
	PG29	H16B-SGRH-LB-2PG29	1 65 016 0229
M32		H16B-SGRH-LB-2M25	1 65 016 0225
		H16B-SGRH-LB-2M32	1 65 016 0232



带保护盖/With protection cover



	h
低结构/Low construction	56
高结构/Low construction	81

1 侧入口
1 Side entry
低结构
Low construction
2 侧入口
2 Side entry
高结构
High construction

M20	PG16	H16B-SDR-LB-PG16	1 62 016 0116
	PG21	H16B-SDR-LB-PG21	1 62 016 0121
M25		H16B-SDR-LB-M20	1 62 016 0120
		H16B-SDR-LB-M25	1 62 016 0125
M20	PG16	H16B-SDR-LB-2PG16	1 62 016 0216
	PG21	H16B-SDR-LB-2PG21	1 62 016 0221
M25		H16B-SDR-LB-2M20	1 62 016 0220
		H16B-SDR-LB-2M25	1 62 016 0225
M25	PG21	H16B-SDRH-LB-PG21	1 66 016 0121
	PG29	H16B-SDRH-LB-PG29	1 66 016 0129
M32		H16B-SDRH-LB-M25	1 66 016 0125
		H16B-SDRH-LB-M32	1 66 016 0132
M25	PG21	H16B-SDRH-LB-2PG21	1 66 016 0221
	PG29	H16B-SDRH-LB-2PG29	1 66 016 0229
M32		H16B-SDRH-LB-2M25	1 66 016 0225
		H16B-SDRH-LB-2M32	1 66 016 0232

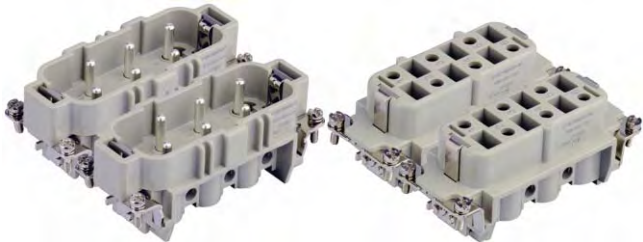
芯件适配H32B外壳
Inserts suit for H32B Hood/housing

12+⊕
(6x2)

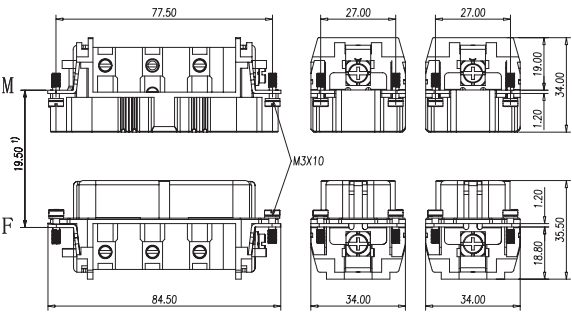
690V 35A

外型尺寸(mm)/Dimensions(mm)

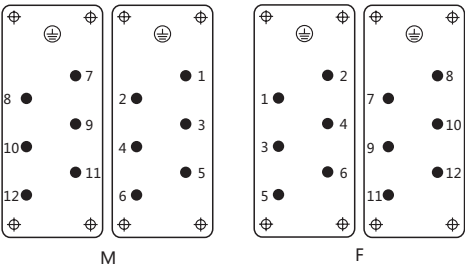
螺钉压接/Screw terminal



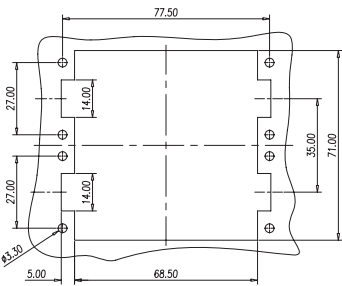
1)接插体之间最大距离21mm/Distance for contact max.21mm



接插针排序/Contact arrangement
view from termination side



不使用防护外壳时芯体的安装开孔图
Panel cut out for inserts for use without hoods/housings



订货号/Order NO.

公接插件/Male insert

母接插件/Female insert

型号
Type

2 06 006 2101
2 06 012 2101

HSB-006-M(1-6)
HSB-006-M(7-12)

2 06 006 2201
2 06 012 2201

HSB-006-F(1-6)
HSB-006-F(7-12)

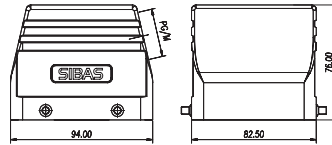
HSB

H32B 带双扣外壳 /H32B with 2 levers on the hoods,housings

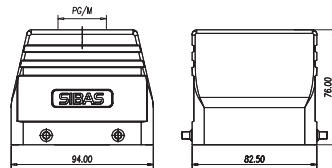
表面粉末镀层, RAL 7037
Powder-coated,RAL 7037

外型尺寸(mm)/Dimensions(mm)

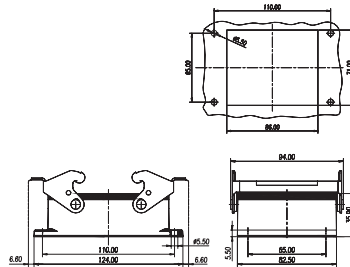
外壳上壳:侧面进线
Hood:Side entry



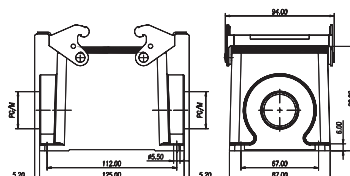
外壳上壳:顶部进线
Hood:Top entry



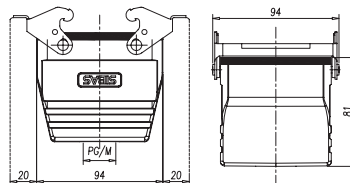
外壳底座:开孔安装
Bulkhead mounted



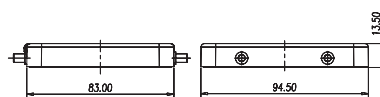
外壳底座:表面安装
Surface mounted:Side entry



电缆对接外壳
Cable-to-cable hood



上壳保护盖
Protection covers for hoods



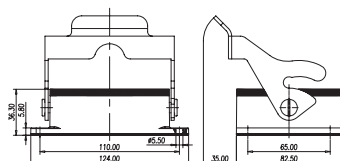
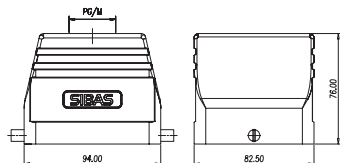
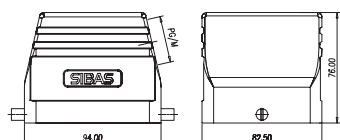
Metr.	PG	型号/Type	订货号/Order NO.
M32 M40 M50	PG29 PG36	H32B-TS-PG29	1 21 032 0129
		H32B-TS-PG36	1 21 032 0136
		H32B-TS-M32	1 21 032 0132
		H32B-TS-M40	1 21 032 0140
		H32B-TS-M50	1 21 032 0150
M25 M32 M40 M50	PG21 PG29 PG36 PG42	H32B-TG-PG21	1 22 032 0121
		H32B-TG-PG29	1 22 032 0129
		H32B-TG-PG36	1 22 032 0136
		H32B-TG-PG42	1 22 032 0142
		H32B-TG-M25	1 22 032 0125
		H32B-TG-M32	1 22 032 0132
		H32B-TG-M40	1 22 032 0140
		H32B-TG-M50	1 22 032 0150
M32 M40 M50 M63	PG29 PG36 PG42	H32B-SGR-PG29	1 44 032 0129
		H32B-SGR-PG36	1 44 032 0136
		H32B-SGR-PG42	1 44 032 0142
		H32B-SGR-M32	1 44 032 0132
		H32B-SGR-M40	1 44 032 0140
		H32B-SGR-M50	1 44 032 0150
		H32B-SGR-M63	1 44 032 0163
M32 M40 M50 M63	PG29 PG36 PG42	H32B-SGR-2PG29	1 44 032 0229
		H32B-SGR-2PG36	1 44 032 0236
		H32B-SGR-2PG42	1 44 032 0242
		H32B-SGR-2M32	1 44 032 0232
		H32B-SGR-2M40	1 44 032 0240
		H32B-SGR-2M50	1 44 032 0250
		H32B-SGR-2M63	1 44 032 0263
M32 M40 M50 M63	PG29 PG36 PG42	H32B-TBF-PG29	1 71 032 0129
		H32B-TBF-PG36	1 71 032 0136
		H32B-TBF-PG42	1 71 032 0142
		H32B-TBF-M32	1 71 032 0132
		H32B-TBF-M40	1 71 032 0140
		H32B-TBF-M50	1 71 032 0150
		H32B-TBF-M63	1 71 032 0163
		H32B-KDB	1 00 032 1001

HSB

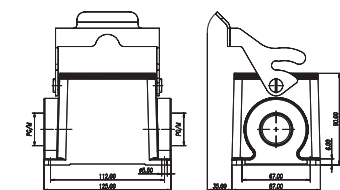
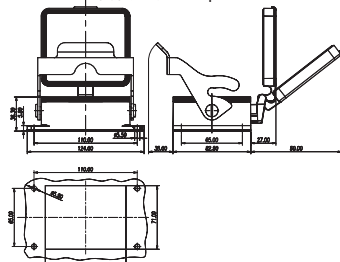
西霸士
SIBAS

HSB

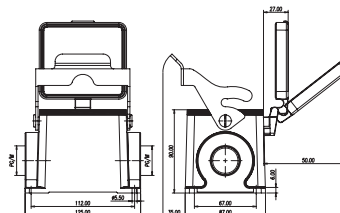
外壳上壳:侧面进线
Hood:Side entry



A black, ruggedized electronic enclosure with its lid open. The lid is hinged and has a small latch. The main body of the enclosure is rectangular with a mounting bracket on the front. The interior shows some wiring and components. The enclosure is designed for industrial or outdoor use.



2进线孔
2 Side entry



1 进线孔
1 Side entry

2进线孔
2 Side entry

 Metr.	 PG	型号/Type	订货号/Order NO.
M32 M40 M50	PG29 PG36	H32B-TS-RO-PG29	1 31 032 0129
		H32B-TS-RO-PG36	1 31 032 0136
		H32B-TS-RO-M32	1 31 032 0132
		H32B-TS-RO-M40	1 31 032 0140
		H32B-TS-RO-M50	1 31 032 0150
M25 M32 M40 M50	PG21	H32B-TG-RO-PG21	1 32 032 0121
	PG29	H32B-TG-RO-PG29	1 32 032 0129
	PG36	H32B-TG-RO-PG36	1 32 032 0136
	PG42	H32B-TG-RO-PG42	1 32 032 0142
		H32B-TG-RO-M25	1 32 032 0125
		H32B-TG-RO-M32	1 32 032 0132
		H32B-TG-RO-M40	1 32 032 0140
		H32B-TG-RO-M50	1 32 032 0150
M32 M40		H32B-AG-LB	1 50 032 0000
		H32B-AD-LB	1 51 032 0000
	PG29	H32B-SGR-LB-PG29	1 61 032 0129
		H32B-SGR-LB-M32	1 61 032 0132
		H32B-SGR-LB-M40	1 61 032 0140
	PG29	H32B-SGR-LB-2PG29	1 61 032 0229
		H32B-SGR-LB-2M32	1 61 032 0232
		H32B-SGR-LB-2M40	1 61 032 0240
PG29	H32B-SDR-LB-PG29	1 62 032 0129	
	H32B-SDR-LB-M32	1 62 032 0132	
	H32B-SDR-LB-M40	1 62 032 0140	
PG29	H32B-SDR-LB-2PG29	1 62 032 0229	
	H32B-SDR-LB-2M32	1 62 032 0232	
	H32B-SDR-LB-2M40	1 62 032 0240	