

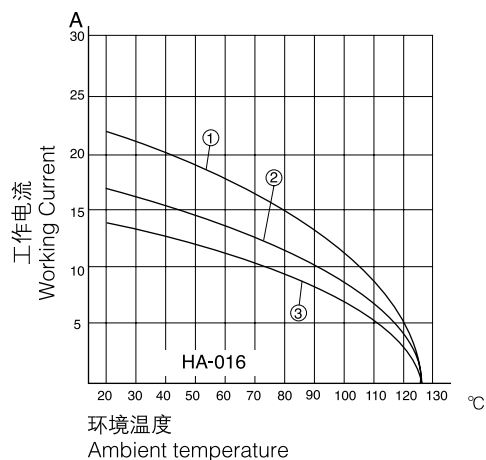
HA 紧凑结构系列接插件

HA series connectors

接插件针数 Number Of Contacts 3,4,10,16,32(2 x 16)+PE

技术参数

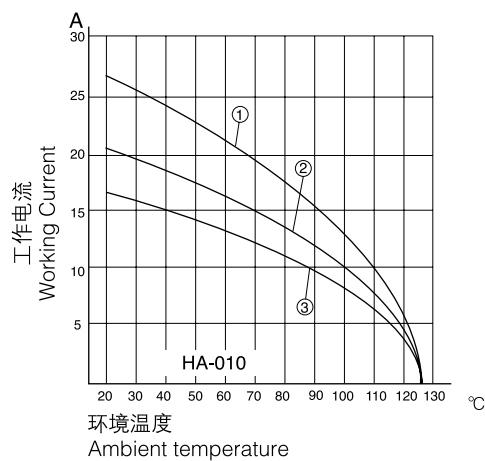
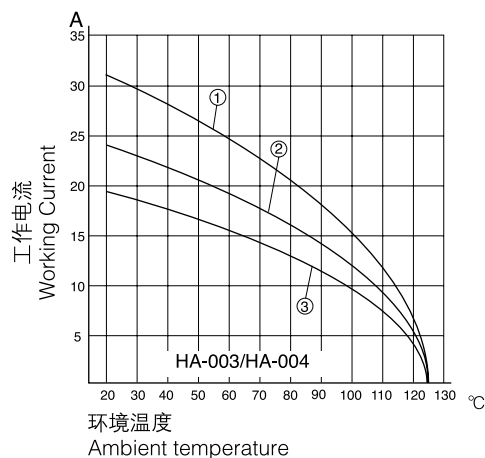
HA 接插体	
接插体 Inserts	
工作电流 working current	
HA-3,HA-4	10 Amax.
HA-10,HA-16	16 Amax.
(见电流负载图 see current carrying capacity)	
工作电压 working voltage	
HA-3,HA-4	250/400V
HA-10,HA-16	250/400V
测试电压 test voltage urms	4kV
隔离电阻 Insulation resistance	$\geq 10^{10}\Omega$
工作温度范围 temperature range	-40℃...+125℃
可拔插次数	≥ 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	$\leq 1m\Omega$
接线形式 terminal	螺钉压接或冷压针压接
	screw or crimp terminal
-mm ²	0.15-2.5mm ²
-AWG	26-14
拧紧力矩 / 测试力矩	0.25Nm HA-010,HA-016
tightening/test torque	0.25nM HA-003,HA-004



电流曲线

电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自自己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.



① 线径 wire gauge: 2.5mm² ② 线径 wire gauge: 1.5mm²
③ 线径 wire gauge: 1.0mm²

总览 Contents

型号 type	额定电压 rated voltage	额定电流 rated current	插针数 pole	弹片联接 crimp terminal	螺钉联接 screw terminal	冷压联接 crimp terminal	轴向压接式 axial terminal	页码 page no.
HA-003	400V	10A	3+ 			●		G.04
HA-004	400V	10A	4+ 			●		G.06
HA-010	250V	16A	10+ 			●		G.08
HA-016	250V	16A	16+ 		●	●		G.10
HA-032	250V	16A	32+ 		●	●		G.12

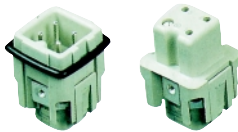
HA-003插芯 HA-003 Inserts

230/400V, max.10A, H3A

3+ 

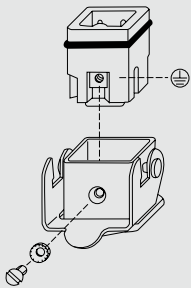
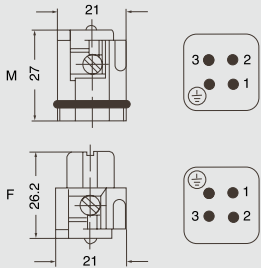
插芯 Inserts

冷压联接



Crimp terminal

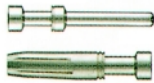
插芯 inserts	型号 lpye	订货号 order No.
公 male	HA-003-M	8498100000
母 female	HA-003-F	8498200000



零配件 Accessory

冷压插针

表面镀银 Silver-plated



表面镀金 Gold-plated



工具



Crimp Contacts

数量 quantity	公 male	订货号 order No.	母 female	订货号 order No.
100	CEM-0.5	8200500000	CEF-0.5	8201100000
100	CEM-0.75	8200600000	CEF-0.75	8201200000
100	CEM-1.0	8200700000	CEF-1.0	8201300000
100	CEM-1.5	8200800000	CEF-1.5	8201400000
100	CEM-2.5	8200900000	CEF-2.5	8201500000
100	DEM-0.5	8651420000	DEF-0.5	8651470000
100	DEM-0.75	8651430000	DEF-0.75	8651480000
100	DEM-1.0	8651440000	DEF-1.0	8651490000
100	DEM-1.5	8651450000	DEF-1.5	8651500000
100	DEM-2.5	8651460000	DEF-2.5	8651510000

Tools

压针工具 crimping tool	订货号 order No.
CHW-0.5/4	8018490000
退针工具 removal tool	订货号 order No.
退针工具 HE	8866750000



导线截面积 Wire gauge	剥线长度 Stripping length
0.50mm ²	AWG20 7.5mm
0.75-1.00mm ²	AWG18 7.5mm
1.50mm ²	AWG16 7.5mm
2.50mm ²	AWG14 7.5mm
4.00mm ²	AWG12 7.5mm

重载连接器外壳 H3A

Hood & Housing SIZE H3A



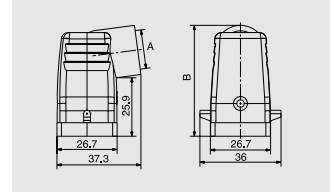
插头外壳 Hood

插头外壳，侧面进线



Hood (side entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		49.2	H3A-UXMU-1M18G	8788810000
PG11	带螺纹 thread		49.2	H3A-UXMU-1PG11G	8652480000

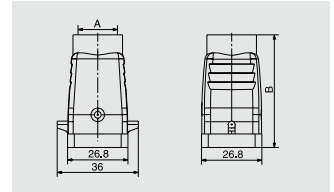


插头外壳，顶部进线



Hood (top entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		50	H3A-UPMU-1M18G	8788820000
PG11	带螺纹 thread		50	H3A-UPMU-1PG11G	8652470000



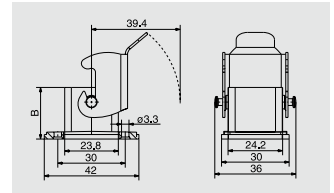
底座 Housing

防尘盖



Cover

描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
		53.5	H3A-LPMU	8788840000
直角 right-angle		53.5	H3A-LPMU	8652500000

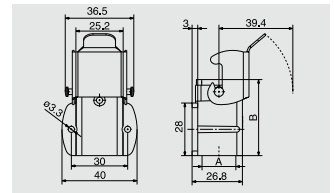


穿体式插座外壳



Housing (panel mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		25.8	H3A-TMU-1M18G	8788830000
PG11	带螺纹 thread		25.8	H3A-TMU-1PG11G	8652490000

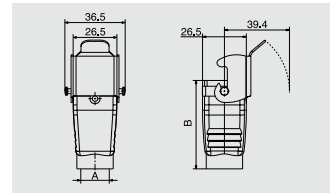


底座封闭型插座外壳



Housing (surface mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		53.5	H3A-LPMU-1M18G	8788840000
PG11	带螺纹 thread		53.5	H3A-LPMU-1PG11G	8652500000

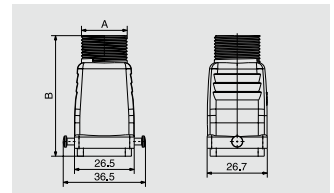


对接外壳



Cable to Cable

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		54	H3A-FMU-1M18G	8900320000
PG13.5	带螺纹 thread		54	H3A-FMU-1PG11G	8900330000

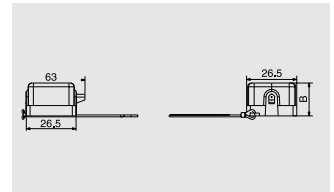


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座 for housing	H3A-CNM-200	8665750000
用于插头 for hood	H3A-CPM-200	8665740000



HA-004插芯 HA-004 Inserts

230/400V, max.10A, H3A

4+ 

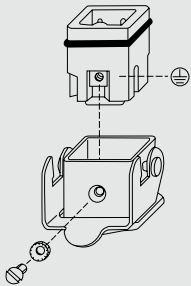
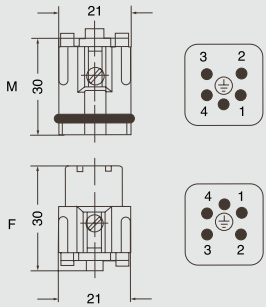
插芯 Inserts

冷压联接



Crimp terminal

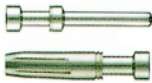
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-004-M	8498300000
母 female	HA-004-F	8498400000



零配件 Accessory

冷压插针

表面镀银 Silver-plated



表面镀金 Gold-plated



工具



Crimp Contacts

数量 quantity	公 male	订货号 order No.	母 female	订货号 order No.
100	CEM-0.5	8200500000	CEF-0.5	8201100000
100	CEM-0.75	8200600000	CEF-0.75	8201200000
100	CEM-1.0	8200700000	CEF-1.0	8201300000
100	CEM-1.5	8200800000	CEF-1.5	8201400000
100	CEM-2.5	8200900000	CEF-2.5	8201500000
100	DEM-0.5	8651420000	DEF-0.5	8651470000
100	DEM-0.75	8651430000	DEF-0.75	8651480000
100	DEM-1.0	8651440000	DEF-1.0	8651490000
100	DEM-1.5	8651450000	DEF-1.5	8651500000
100	DEM-2.5	8651460000	DEF-2.5	8651510000

Tools

压针工具 crimping tool	订货号 order No.
CHW-0.5/4	8018490000
退针工具 removal tool	订货号 order No.
退针工具 HE	8866750000



导线截面积 Wire gauge	剥线长度 Stripping length
0.50mm ²	AWG20 7.5mm
0.75-1.00mm ²	AWG18 7.5mm
1.50mm ²	AWG16 7.5mm
2.50mm ²	AWG14 7.5mm
4.00mm ²	AWG12 7.5mm

重载连接器外壳 H3A

Hood & Housing SIZE H3A



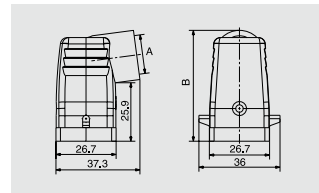
插头外壳 Hood

插头外壳，侧面进线



Hood (side entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		49.2	H3A-UXMU-1M18G	8788810000
PG11	带螺纹 thread		49.2	H3A-UXMU-1PG11G	8652480000

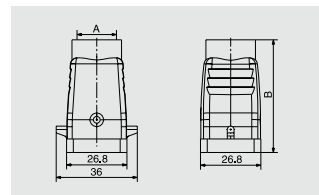


插头外壳，顶部进线



Hood (top entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		50	H3A-UPMU-1M18G	8788820000
PG11	带螺纹 thread		50	H3A-UPMU-1PG11G	8652470000



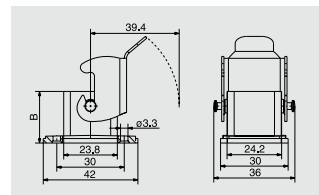
底座 Housing

防尘盖

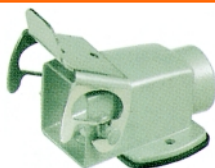


Cover

描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
		53.5	H3A-LPMU	8788840000
直角 right-angle		53.5	H3A-LPMU	8652500000

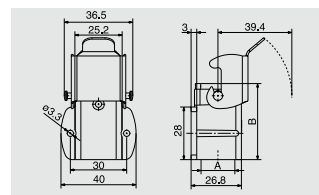


穿体式插座外壳



Housing (panel mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		25.8	H3A-TMU-1M18G	8788830000
PG11	带螺纹 thread		25.8	H3A-TMU-1PG11G	8652490000

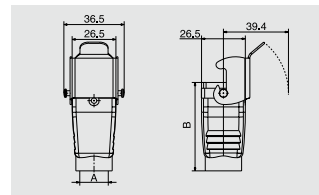


底座封闭型插座外壳



Housing (surface mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		53.5	H3A-LPMU-1M18G	8788840000
PG11	带螺纹 thread		53.5	H3A-LPMU-1PG11G	8652500000

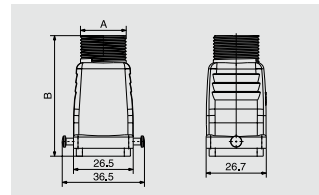


对接外壳



Cable to Cable

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M18	带螺纹 thread		54	H3A-FMU-1M18G	8900320000
PG13.5	带螺纹 thread		54	H3A-FMU-1PG11G	8900330000

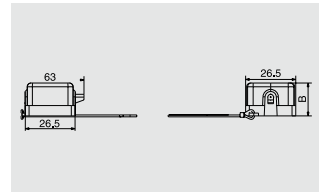


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座 for housing	H3A-CNM-200	8665750000
用于插头 for hood	H3A-CPM-200	8665740000



HA-010插芯 HA-010 Inserts

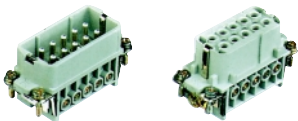
250V, max.16A, H10A

10+ 



插芯 Inserts

螺钉联接



Screw terminal

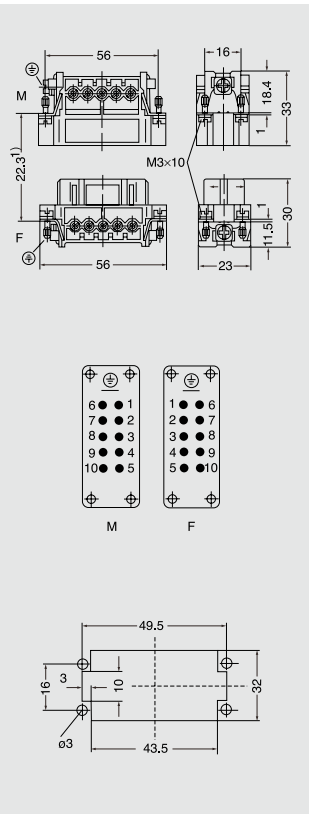
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-010-M	8650610000
母 female	HA-010-F	8650620000

冷压联接



Crimp terminal

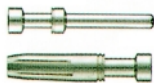
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-010-MC	8873860000
母 female	HA-010-FC	8873870000



零配件 Accessory

冷压插针

表面镀银 Silver-plated



表面镀金 Gold-plated



Crimp Contacts

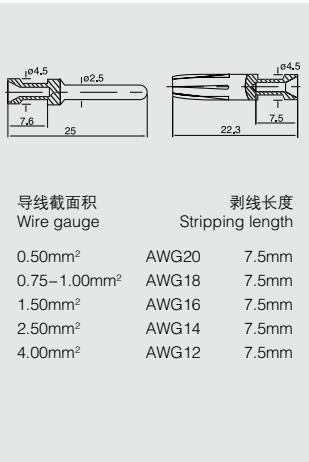
数量 quantity	公 male	订货号 order No.	母 female	订货号 order No.
100	CEM-0.5	8200500000	CEF-0.5	8201100000
100	CEM-0.75	8200600000	CEF-0.75	8201200000
100	CEM-1.0	8200700000	CEF-1.0	8201300000
100	CEM-1.5	8200800000	CEF-1.5	8201400000
100	CEM-2.5	8200900000	CEF-2.5	8201500000
100	DEM-0.5	8651420000	DEF-0.5	8651470000
100	DEM-0.75	8651430000	DEF-0.75	8651480000
100	DEM-1.0	8651440000	DEF-1.0	8651490000
100	DEM-1.5	8651450000	DEF-1.5	8651500000
100	DEM-2.5	8651460000	DEF-2.5	8651510000

工具



Tools

压针工具 crimping tool	订货号 order No.
CHW-0.5/4	8018490000
退针工具 removal tool	
退针工具 HE	8866750000



重载连接器外壳 H10A Hood & Housing SIZE H10A

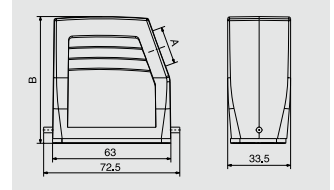
插头外壳 Hood

插头外壳，侧面进线



Hood (side entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M20	带螺纹 thread		68	H10A-UTMUH-1M20G	8788860000
M24	带螺纹 thread		68	H10A-UTMUH-1M24G	8788850000
PG16	带螺纹 thread		68	H10A-UTMU-1PG16G	8663850000
PG16	带螺纹 thread		68	H10A-UTMU-1PG21G	8663870000

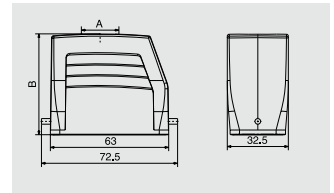


插头外壳，顶部进线

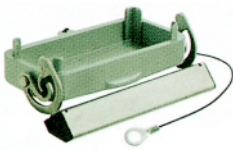


Hood (top entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M20	带螺纹 thread		54	H10A-UPMUH-1M20G	8788620000
M24	带螺纹 thread		54	H10A-UPMUH-1M24G	8788610000
PG16	带螺纹 thread		54	H10A-UPMU-1PG16G	8663930000
PG21	带螺纹 thread		68	H10A-UPMUH-1PG21G	8663990000

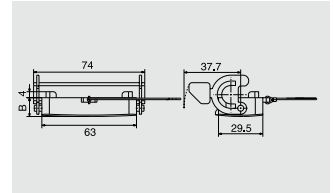


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插头外壳 for hood	H10A-CPM-1MB	8668590000



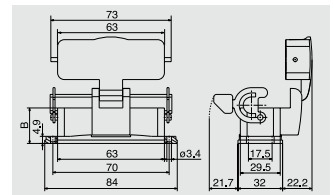
底座 Housing

穿体式插座外壳



Housing (panel mount base)

描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
带 with		37.5	H10A-BCMUH	8664060000
		25	H10A-BMU	8664040000

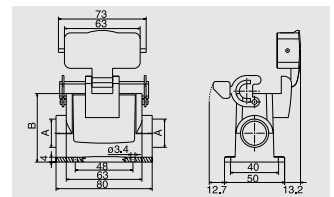


底座封闭型插座外壳



Housing (surface mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M20	带螺纹 thread	带 with	69.5	H10A-TCMUH-2M20G	8788660000
M24	带螺纹 thread	带 with	69.5	H10A-TCMUH-2M24G	8788650000
M20	带螺纹 thread		57	H10A-TMU-2M20G	8788640000
M24	带螺纹 thread		57	H10A-TMU-2M24G	8788630000
PG16	带螺纹 thread		57	H10A-TMU-2PG16G	8664190000
PG16	带螺纹 thread	带 with	69.5	H10A-TMUH-2PG16G	8664420000
PG21	带螺纹 thread		57	H10A-TMU-1PG21G	8664210000

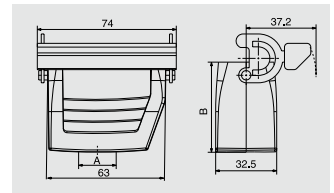


对接外壳



Cable to Cable

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		48	H10A-LMUH-1M24G	8788670000
PG16	带螺纹 thread		48	H10A-LMUH-1PG16G	8664560000
PG21	带螺纹 thread		62	H10A-LMUH-1PG21G	8664630000

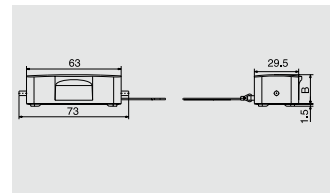


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座外壳 for housing	H10A-CNM-2CO	8665880000



HA-016插芯 HA-016 Inserts

250V, max.16A, H16A

16+ 

插芯 Inserts

螺钉联接



Screw terminal

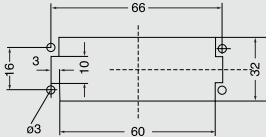
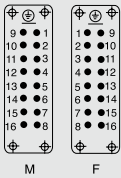
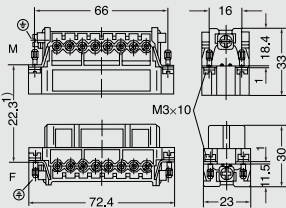
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-016-M	8650770000
母 female	HA-016-F	8650780000

冷压联接



Crimp terminal

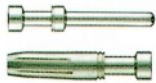
插芯 inserts =	型号 tpye	订货号 order No.
公 male	HA-016-MC	8873890000
母 female	HA-016-FC	8873880000



零配件 Accessory

冷压插针

表面镀银 Silver-plated



表面镀金 Gold-plated



Crimp Contacts

数量 quantity	公 male	订货号 order No.	母 female	订货号 order No.
100	CEM-0.5	8200500000	CEF-0.5	8201100000
100	CEM-0.75	8200600000	CEF-0.75	8201200000
100	CEM-1.0	8200700000	CEF-1.0	8201300000
100	CEM-1.5	8200800000	CEF-1.5	8201400000
100	CEM-2.5	8200900000	CEF-2.5	8201500000
100	DEM-0.5	8651420000	DEF-0.5	8651470000
100	DEM-0.75	8651430000	DEF-0.75	8651480000
100	DEM-1.0	8651440000	DEF-1.0	8651490000
100	DEM-1.5	8651450000	DEF-1.5	8651500000
100	DEM-2.5	8651460000	DEF-2.5	8651510000

工具



Tools

压针工具 crimping tool	订货号 order No.
CHW-0.5/4	8018490000
退针工具 removal tool	订货号 order No.
退针工具 HE	8866750000



导线截面积 Wire gauge	剥线长度 Stripping length
0.50mm ²	AWG20 7.5mm
0.75-1.00mm ²	AWG18 7.5mm
1.50mm ²	AWG16 7.5mm
2.50mm ²	AWG14 7.5mm
4.00mm ²	AWG12 7.5mm

重载连接器外壳 H16A

Hood & Housing SIZE H16A

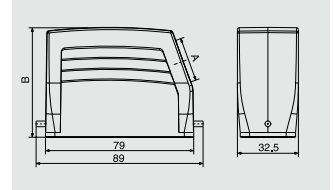
插头外壳 Hood

插头外壳，侧面进线



Hood (side entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		58	H16A-UTMUH-1M24G	8788740000
M20	带螺纹 thread		72	H16A-UTMUH-1M20G	8788680000
M24	带螺纹 thread		72	H16A-UTMUH-1M24G	8788690000
PG16	带螺纹 thread		72	H16A-UTMUH-1PG16G	8664690000
PG21	带螺纹 thread		58	H16A-UTMUH-1PG21G	8664750000

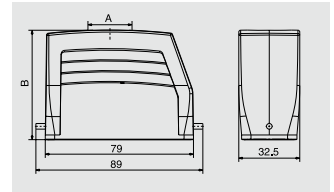


插头外壳，顶部进线

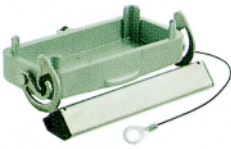


Hood (top entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		58	H16A-UPMUH-1M24G	8788750000
M20	带螺纹 thread		72	H16A-UPMUH-1M20G	8788710000
M24	带螺纹 thread		72	H16A-UPMUG-1M24G	8788700000
PG16	带螺纹 thread		58	H16A-UPMUH-1PG16G	8664810000
PG21	带螺纹 thread		72	H16A-UPMUH-1PG21G	8664870000

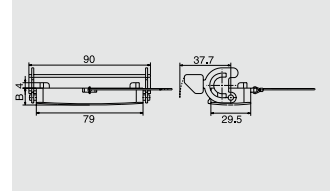


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插头外壳 for hood	H16A-CPM-1MB	8665900000



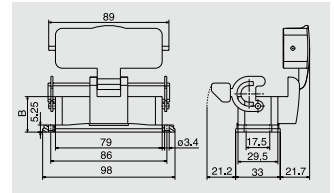
底座 Housing

穿体式插座外壳



Housing (panel mount base)

描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
带 with		44.5	H16A-BCMU	8664940000
		25	H16A-BMU	8664920000

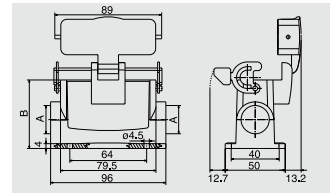


底座封闭型插座外壳



Housing (surface mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M20	带螺纹 thread	带 with	76.5	H16A-TCMUH-2M20G	8788790000
M24	带螺纹 thread	带 with	76.5	H16A-TCMUH-2M24G	8788780000
M20	带螺纹 thread		57	H16A-TMU-2M20G	8788770000
M24	带螺纹 thread		57	H16A-TMU-2M24G	8788760000
PG16	带螺纹 thread		57	H16A-TMU-2PG16G	8665070000
PG21	带螺纹 thread		57	H16A-TMU-2PG21G	8665090000

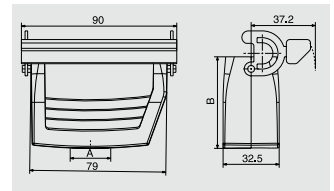


对接外壳



Cable to Cable

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		53	H16A-LMU-1M24G	8788800000
PG16	带螺纹 thread		53	H16A-LMU-1PG16G	8665450000

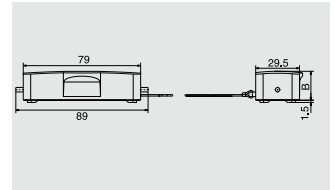


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座外壳 for housing	H16A-CNM-2CO	8665910000



HA-032插芯 HA-032 Inserts

250V, max.16A, H32A

32+ 



插芯 Inserts

螺钉联接



Screw terminal

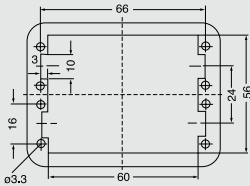
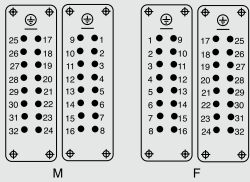
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-032-M(1-16)	8650770000
母 female	HA-032-F(1-16)	8650780000
公 male	HA-032-M(17-32)	8650880000
母 female	HA-032-F(17-32)	8650890000

冷压联接



Crimp terminal

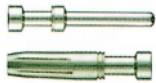
插芯 inserts	型号 tpye	订货号 order No.
公 male	HA-032-MC(1-16)	8873890000
母 female	HA-032-FC(1-16)	8873880000
公 male	HA-032-MC(17-32)	8875620000
母 female	HA-032-FC(17-32)	8876040000



零配件 Accessory

冷压插针

表面镀银 Silver-plated



表面镀金 Gold-plated



工具



Crimp Contacts

数量 quantity	公 male	订货号 order No.	母 female	订货号 order No.
100	CEM-0.5	8200500000	CEF-0.5	8201100000
100	CEM-0.75	8200600000	CEF-0.75	8201200000
100	CEM-1.0	8200700000	CEF-1.0	8201300000
100	CEM-1.5	8200800000	CEF-1.5	8201400000
100	CEM-2.5	8200900000	CEF-2.5	8201500000
100	DEM-0.5	8651420000	DEF-0.5	8651470000
100	DEM-0.75	8651430000	DEF-0.75	8651480000
100	DEM-1.0	8651440000	DEF-1.0	8651490000
100	DEM-1.5	8651450000	DEF-1.5	8651500000
100	DEM-2.5	8651460000	DEF-2.5	8651510000

Tools

压针工具 crimping tool	订货号 order No.
CHW-0.5/4	8018490000
退针工具 removal tool	订货号 order No.
退针工具 HE	8866750000



导线截面积 Wire gauge	剥线长度 Stripping length
0.50mm ²	AWG20 7.5mm
0.75-1.00mm ²	AWG 18 7.5mm
1.50mm ²	AWG16 7.5mm
2.50mm ²	AWG 14 7.5mm
4.00mm ²	AWG12 7.5mm

重载连接器外壳 H32A

Hood & Housing SIZE H32A

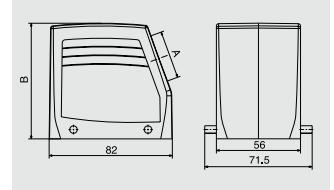
插头外壳 Hood

插头外壳，侧面进线



Hood (side entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		75	H32A-UTCU-1M24G	8787960000
M33	带螺纹 thread		75	H32A-UTCU-1M33G	8787950000
PG21	带螺纹 thread		75	H32A-UTCU-1PG21G	8665670000
PG29	带螺纹 thread		75	H32A-UTCU-1PG29G	8665690000

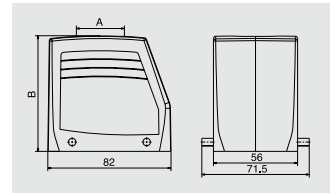


插头外壳，顶部进线



Hood (top entry)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M33	带螺纹 thread		75	H32A-UPCU-1M33G	8787990000
PG16	带螺纹 thread		75	H32-UPCU-1PG21G	8665790000
PG29	带螺纹 thread		75	H32-UPCU-1PG29G	8665810000



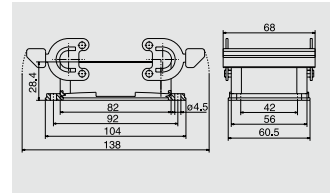
底座 Housing

穿体式插座外壳

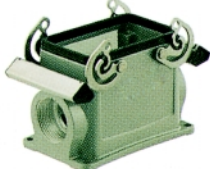


Housing (panel mount base)

描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
带 with		25	H32A-BCU	8665860000

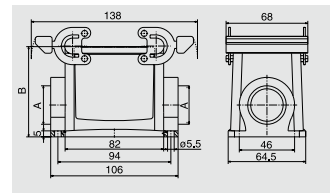


底座封闭型插座外壳



Housing (surface mount base)

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		75	H32A-TCU-2M24G	8788040000
M27	带螺纹 thread		75	H32A-TCU-1M27G	8903870000
PG16	带螺纹 thread		75	H32A-TCU-2PG21G	8665980000
PG29	带螺纹 thread		75	H32A-TCU-1PG29G	8666010000

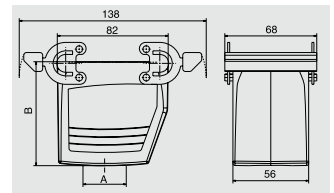


对接外壳



Cable to Cable

A	描述 detail	防尘盖 cover	B(mm)	型号 tpye	订货号 order No.
M24	带螺纹 thread		76.5	H32A-LCU-1M24G	8788080000
M33	带螺纹 thread		76.5	H32A-LCU-M33G	8788070000

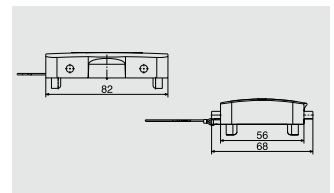


防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座外壳 for housing	H32A-CPR-4CO	8665920000



防尘盖



Cover

描述 detail	型号 tpye	订货号 order No.
用于插座外壳 for housing	H32A-CNR-2RB	8665930000

