

HE 系列技术参数 SERIES TECHNICAL PARAMETERS

常规型插芯技术参数 Technical parameters of conventional mortise

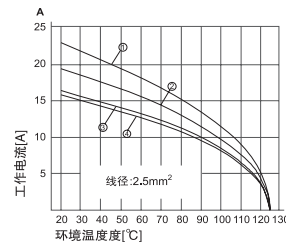
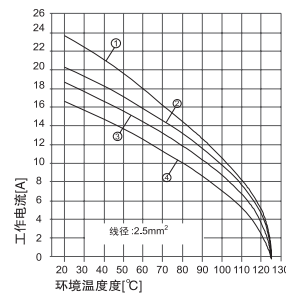
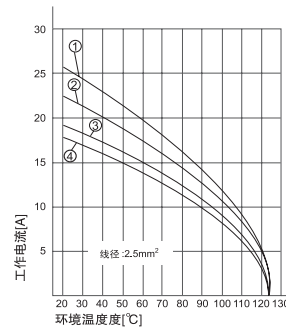
1 插芯 Inserts

接插件针数 Inserts/Number of contacts	6,10,16,24,32(2X16),48(2X24)+PE
依据 EN 61 984 的额定电压 Electrical data	
- 额定电流 Rated current	16A
- 额定电压 Rated voltage	500V
- 额定脉冲电压 Rated impulse voltage	6KV
- 污染程度 Pollution degree	3
- 污染程度 2 时的参数 Pollution degree 2 also	16A 400/690V 6kV 2
依据 UL/CSA 额定电压 Rated voltage	600V
绝缘电阻 Insulation resistance	$\geq 10^{10}\Omega$
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40°C ...+125°C
依据 UL94 的阻燃等级 Flammability acc.	V0
可拔插次数 Mating cycles	≥ 500

电流负载能力 Current carrying capacity

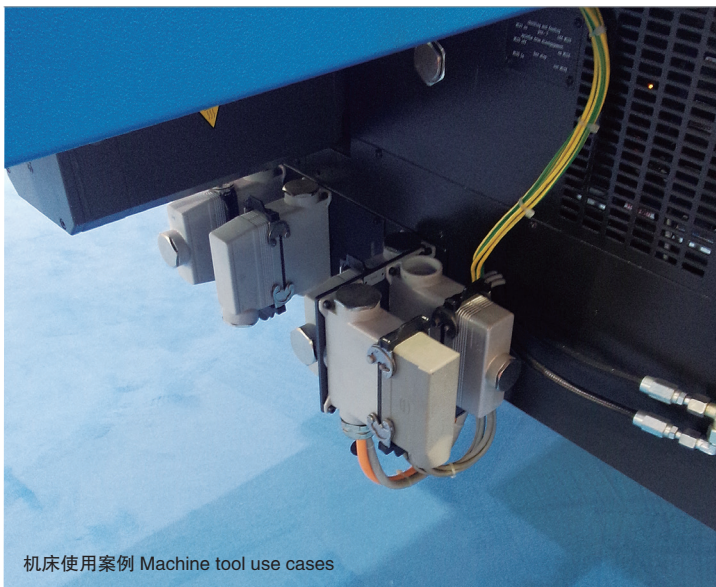
电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度测试和控制过程依据 DIN EN 60512-5

Current load capacity, mainly from the restrictions include plug the plug of the needle body can withstand maximum temperature Testing and control process according to DIN EN 60512-5



2 插针 Contacts

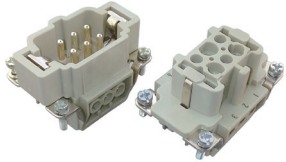
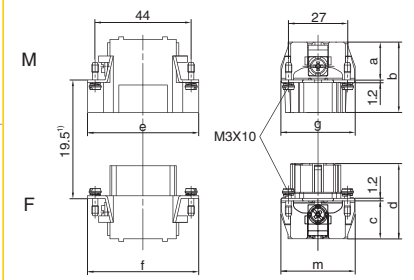
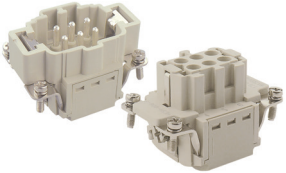
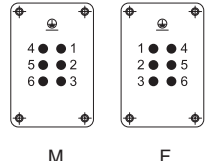
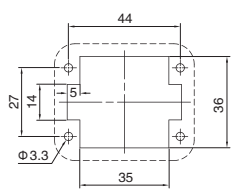
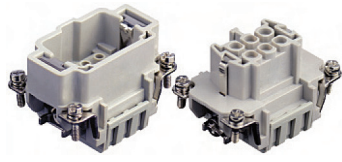
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	$\leq 1m\Omega$
螺钉连接 Screw terminal	
- 导线规格 Wire specifications	0.14-2.5mm ²
-AWG	26-14
- 拧紧 / 检测力矩 Tightening torque	0.5Nm
- 剥线长度 Stripping length	7.0mm
冷压连接 Crimp terminal	
- 导线规格 Wire specifications	0.14-4.0mm ²
-AWG	26-12
- 剥线长度 Stripping length	7.5mm
弹片连接 Cage-clamp terminal	
- 导线规格 Wire specifications	0.14-2.5mm ²
-AWG	26-14
- 剥线长度 Stripping length	7-9mm



HE-006 常规型接插体 CONVENTIONAL TYPE PLUG



额定电流 Rated current: 16 A 额定电压 Rated voltage: 500 V

	型号 Type	公接插针 Male insert	母接插针 Female insert	尺寸图 Drawing (mm)																																				
接线方式: 螺钉压接 Termination methods: Screw terminal  M F 线规 Wire gauge: 0.5-4.0 mm ² 适配 H6B 外壳, 详见 7.13.1 页 Suitable for H6B housing, see page 7.13.1	HE-006-M	1330062601		1) 接插体之间最大距离 21mm Distance for contact max. 21mm  <table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>e</th> <th>g</th> <th>c</th> <th>d</th> <th>f</th> <th>m</th> </tr> </thead> <tbody> <tr> <td>HE-M/F</td> <td>16</td> <td>32.4</td> <td>51</td> <td>34</td> <td>16.8</td> <td>34.5</td> <td>50.5</td> <td>34</td> </tr> <tr> <td>HESH-M/F</td> <td>18.3</td> <td>33.3</td> <td>51</td> <td>34</td> <td>18.2</td> <td>35.4</td> <td>50.5</td> <td>34</td> </tr> <tr> <td>HEC-M/F</td> <td>18</td> <td>33</td> <td>51</td> <td>34</td> <td>18</td> <td>35</td> <td>50.5</td> <td>34</td> </tr> </tbody> </table>		a	b	e	g	c	d	f	m	HE-M/F	16	32.4	51	34	16.8	34.5	50.5	34	HESH-M/F	18.3	33.3	51	34	18.2	35.4	50.5	34	HEC-M/F	18	33	51	34	18	35	50.5	34
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HEC-M/F	18	33	51	34	18	35	50.5	34																																
接线方式: 快速压接 / 弹片式 Termination methods: Quick Lock/Cage-clamp terminal  M F 线规 Wire gauge: 0.14-2.5 mm ² 适配 H6B 外壳, 详见 7.13.1 页 Suitable for H6B housing, see page 7.13.1	HESH-006-M	1330062633		接插针排序 Contact arrangement  M F																																				
接线方式: 冷压接 Termination methods: Crimp terminal (冷压针请单独订购 Order crimp contacts separately)	HEC-006-M	1330062602			面板安装开孔图 Panel cut out 																																			
 M F 线规 Wire gauge: 0.5-4.0 mm ² 适配 H6B 外壳, 详见 7.13.1 页 Suitable for H6B housing, see page 7.13.1	HEC-006-F		1330062702																																					

HE 接插体

16A 镀银冷压针 Crimp contacts, silver-plated

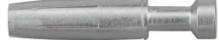
技术参数 Technical data

材质: 铜镀银
 Material: Copper, hard silver
 接触电阻 Contact resistance: ≤ 1mΩ
 接线形式: 冷压接线
 Termination methods: Crimp connection

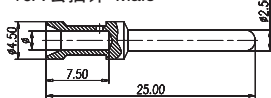
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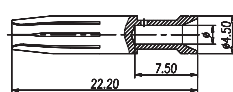
CEF



16A 公插针 Male



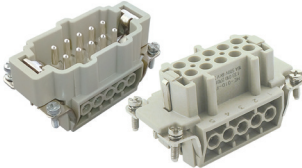
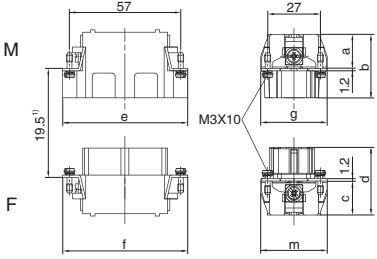
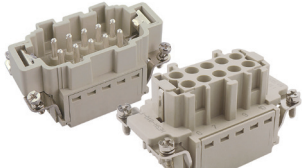
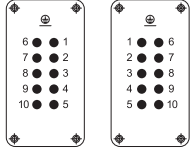
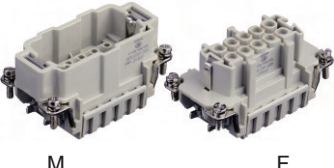
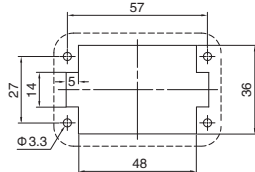
16A 母插针 Female



线径 (mm ²) Wire gauge	接线长度 Stripping length	公接插针 Male insert 型号 Type	公接插针 Male insert 订货号 Part No.	母接插针 Female insert 型号 Type	母接插针 Female insert 订货号 Part No.	
0.14-0.37	AWG26-22	7.5mm	CEM-0.37	3330006127	CEF-0.37	3330006227
0.5	AWG20	7.5mm	CEM-0.5	3330006121	CEF-0.5	3330006221
0.75	AWG18	7.5mm	CEM-0.75	3330006114	CEF-0.75	3330006214
1.0	AWG18	7.5mm	CEM-1.0	3330006105	CEF-1.0	3330006205
1.5	AWG16	7.5mm	CEM-1.5	3330006104	CEF-1.5	3330006204
2.5	AWG14	7.5mm	CEM-2.5	3330006102	CEF-2.5	3330006202
4.0	AWG12	7.5mm	CEM-4.0	3330006107	CEF-4.0	3330006207

HE-010 常规型接插体 CONVENTIONAL TYPE PLUG

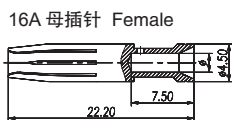
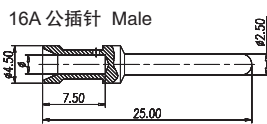
额定电流 Rated current: 16 A 额定电压 Rated voltage: 500 V

接线方式: 螺钉压接 Termination methods: Screw terminal	型号 Type	订货号 Part No.		尺寸图 Drawing (mm)																																				
		公接插针 Male insert	母接插针 Female insert																																					
 <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H10B 外壳, 详见 7.13.4 页 Suitable for H10B housing, see page 7.13.4</p>	HE-010-M	1330102601		<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p>  <table border="1" data-bbox="1061 750 1444 879"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>e</th> <th>g</th> <th>c</th> <th>d</th> <th>f</th> <th>m</th> </tr> </thead> <tbody> <tr> <td>HE-M/F</td> <td>16.5</td> <td>32</td> <td>64.5</td> <td>34</td> <td>16.8</td> <td>34.2</td> <td>64</td> <td>34</td> </tr> <tr> <td>HESH-M/F</td> <td>18.5</td> <td>33.5</td> <td>64</td> <td>34</td> <td>18.5</td> <td>35.6</td> <td>64</td> <td>34</td> </tr> <tr> <td>HEC-M/F</td> <td>18</td> <td>33</td> <td>64</td> <td>34</td> <td>17.5</td> <td>35.2</td> <td>64</td> <td>34</td> </tr> </tbody> </table>		a	b	e	g	c	d	f	m	HE-M/F	16.5	32	64.5	34	16.8	34.2	64	34	HESH-M/F	18.5	33.5	64	34	18.5	35.6	64	34	HEC-M/F	18	33	64	34	17.5	35.2	64	34
		a	b		e	g	c	d	f	m																														
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HESH-M/F	18.5	33.5	64		34	18.5	35.6	64	34																															
HEC-M/F	18	33	64	34	17.5	35.2	64	34																																
HE-010-F		1330102701																																						
<p>接线方式: 快速压接 / 弹片式 Termination methods: Quick Lock/Cage-clamp terminal</p>  <p>M F</p> <p>线规 Wire gauge: 0.14-2.5 mm² 适配 H10B 外壳, 详见 7.13.4 页 Suitable for H10B housing, see page 7.13.4</p>	HESH-010-M	1330102633		<p>接插针排序 Contact arrangement</p>  <p>M F</p>																																				
	HESH-010-F		1330102733																																					
<p>接线方式: 冷压接 Termination methods: Crimp terminal (冷压针请单独订购 Order crimp contacts separately)</p>  <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H10B 外壳, 详见 7.13.4 页 Suitable for H10B housing, see page 7.13.4</p>	HEC-010-M	1330102602		<p>面板安装开孔图 Panel cut out</p> 																																				
	HEC-010-F		1330102702																																					

16A 镀银冷压针 Crimp contacts, silver-plated

技术参数 Technical data

材质: 铜镀银
Material: Copper, hard silver
接触电阻 Contact resistance: $\leq 1\text{m}\Omega$
接线形式: 冷压接线
Termination methods: Crimp connection

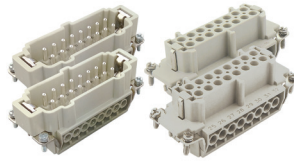
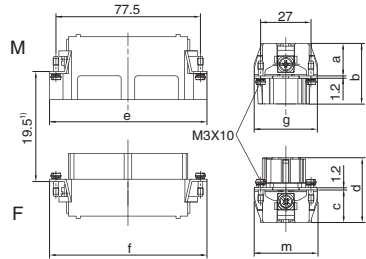
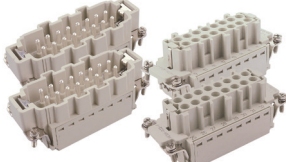
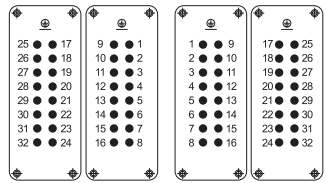

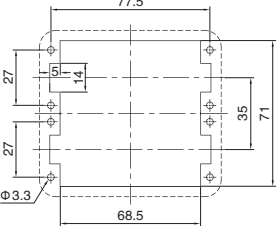


线径 (mm ²) Wire gauge	接线长度 Stripping length	公接插针 Male insert 型号 Type	公接插针 Male insert 订货号 Part No.	母接插针 Female insert 型号 Type	母接插针 Female insert 订货号 Part No.
0.14-0.37	AWG26-22	7.5mm CEM-0.37	3330006127	7.5mm CEF-0.37	3330006227
0.5	AWG20	7.5mm CEM-0.5	3330006121	7.5mm CEF-0.5	3330006221
0.75	AWG18	7.5mm CEM-0.75	3330006114	7.5mm CEF-0.75	3330006214
1.0	AWG18	7.5mm CEM-1.0	3330006105	7.5mm CEF-1.0	3330006205
1.5	AWG16	7.5mm CEM-1.5	3330006104	7.5mm CEF-1.5	3330006204
2.5	AWG14	7.5mm CEM-2.5	3330006102	7.5mm CEF-2.5	3330006202
4.0	AWG12	7.5mm CEM-4.0	3330006107	7.5mm CEF-4.0	3330006207

HE-032 常规型接插体 CONVENTIONAL TYPE PLUG



额定电流 Rated current: 16 A 额定电压 Rated voltage: 500 V

接线方式: 螺钉压接 Termination methods: Screw terminal	型号 Type	订货号 Part No.		尺寸图 Drawing (mm)																																				
		公接插针 Male insert	母接插针 Female insert																																					
 <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H32B 外壳, 详见 7.13.16 页 Suitable for H32B housing, see page 7.13.16</p>	HE-016-M (1-16) HE-016-MD (17-32)	1330162601 1330162611		<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p>  <table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>e</th> <th>g</th> <th>c</th> <th>d</th> <th>f</th> <th>m</th> </tr> </thead> <tbody> <tr> <td>HE-M/F</td> <td>17</td> <td>32.5</td> <td>84.2</td> <td>34</td> <td>17</td> <td>34.5</td> <td>84.2</td> <td>33.5</td> </tr> <tr> <td>HESH-M/F</td> <td>18</td> <td>33.7</td> <td>84.5</td> <td>34</td> <td>18.2</td> <td>35.5</td> <td>84.5</td> <td>34</td> </tr> <tr> <td>HEC-M/F</td> <td>18</td> <td>33.5</td> <td>84.5</td> <td>34</td> <td>18</td> <td>35</td> <td>84.5</td> <td>34</td> </tr> </tbody> </table>		a	b	e	g	c	d	f	m	HE-M/F	17	32.5	84.2	34	17	34.5	84.2	33.5	HESH-M/F	18	33.7	84.5	34	18.2	35.5	84.5	34	HEC-M/F	18	33.5	84.5	34	18	35	84.5	34
		a	b		e	g	c	d	f	m																														
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HE-016-F (1-16) HE-016-FD (17-32)		1330162701 1330162711																																						
接线方式: 快速压接 / 弹片式 Termination methods: Quick Lock/Cage-clamp terminal	 <p>M F</p> <p>线规 Wire gauge: 0.14-2.5 mm² 适配 H32B 外壳, 详见 7.13.16 页 Suitable for H32B housing, see page 7.13.16</p>	HESH-016-M (1-16) HESH-016-MD (17-32)	1330162633 1330162634	<p>接插针排序 Contact arrangement</p>  <p>M F</p>																																				
HESH-016-F (1-16) HESH-016-FD (17-32)			1330162733 1330162734																																					
接线方式: 冷压接 Termination methods: Crimp terminal (冷压针请单独订购 Order crimp contacts separately)	 <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H32B 外壳, 详见 7.13.16 页 Suitable for H32B housing, see page 7.13.16</p>	HEC-016-M (1-16) HEC-016-MD (17-32)	1330162602 1330162612	<p>面板安装开孔图 Panel cut out</p> 																																				
HEC-016-F (1-16) HEC-016-FD (17-32)			1330162702 1330162712																																					

HE 接插体

16A 镀银冷压针 Crimp contacts, silver-plated

技术参数 Technical data

材质: 铜镀银
Material: Copper, hard silver
接触电阻 Contact resistance: ≤ 1mΩ
接线形式: 冷压接线
Termination methods: Crimp connection

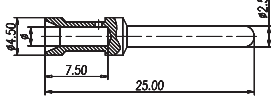
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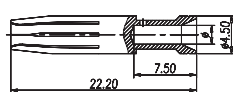
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16A 公插针 Male



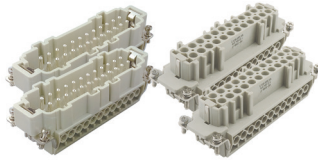
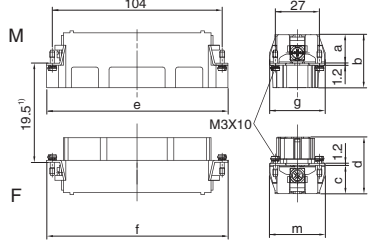
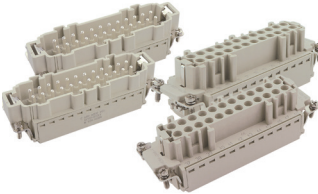
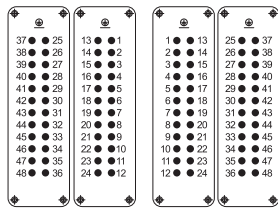

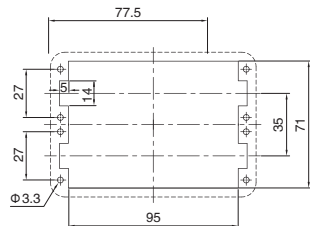
16A 母插针 Female



线径 (mm ²) Wire gauge	接线长度 Stripping length	公接插针 Male insert 型号 Type	公接插针 Male insert 订货号 Part No.	母接插针 Female insert 型号 Type	母接插针 Female insert 订货号 Part No.
0.14-0.37	AWG26-22	7.5mm CEM-0.37	3330006127	CEF-0.37	3330006227
0.5	AWG20	7.5mm CEM-0.5	3330006121	CEF-0.5	3330006221
0.75	AWG18	7.5mm CEM-0.75	3330006114	CEF-0.75	3330006214
1.0	AWG18	7.5mm CEM-1.0	3330006105	CEF-1.0	3330006205
1.5	AWG16	7.5mm CEM-1.5	3330006104	CEF-1.5	3330006204
2.5	AWG14	7.5mm CEM-2.5	3330006102	CEF-2.5	3330006202
4.0	AWG12	7.5mm CEM-4.0	3330006107	CEF-4.0	3330006207

HE-048 常规型接插体 CONVENTIONAL TYPE PLUG

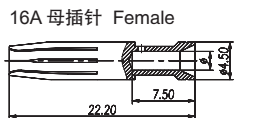
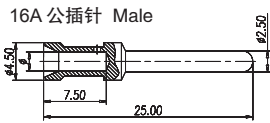
额定电流 Rated current: 16 A 额定电压 Rated voltage: 500 V

接线方式: 螺钉压接 Termination methods: Screw terminal	型号 Type	订货号 Part No.		尺寸图 Drawing (mm)
		公接插针 Male insert	母接插针 Female insert	
 <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H48B 外壳, 详见 7.13.18 页 Suitable for H48B housing, see page 7.13.18</p>	HE-024-M (1-24) HE-024-MD (25-48)	1330242601 1330242611		<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p> 
	HE-024-F (1-24) HE-024-FD (25-48)		1330242701 1330242711	
<p>接线方式: 快速压接 / 弹片式 Termination methods: Quick Lock/Cage-clamp terminal</p>  <p>M F</p> <p>线规 Wire gauge: 0.14-2.5 mm² 适配 H48B 外壳, 详见 7.13.18 页 Suitable for H48B housing, see page 7.13.18</p>	HESH-024-M (1-24) HESH-024-MD (25-48)	1330242633 1330242634		<p>接插针排序 Contact arrangement</p>  <p>M F</p>
	HESH-024-F (1-24) HESH-024-FD (25-48)		1330242733 1330242734	
<p>接线方式: 冷压接 Termination methods: Crimp terminal (冷压针请单独订购 Order crimp contacts separately)</p>  <p>M F</p> <p>线规 Wire gauge: 0.5-4.0 mm² 适配 H48B 外壳, 详见 7.13.18 页 Suitable for H48B housing, see page 7.13.18</p>	HEC-024-M (1-24) HEC-024-MD (25-48)	1330242602 1330242612		<p>面板安装开孔图 Panel cut out</p> 
	HEC-024-F (1-24) HEC-024-FD (25-48)		1330242702 1330242712	

16A 镀银冷压针 Crimp contacts, silver-plated

技术参数 Technical data

材质: 铜镀银
Material: Copper, hard silver
接触电阻 Contact resistance: $\leq 1\text{m}\Omega$
接线形式: 冷压接线
Termination methods: Crimp connection



线径 (mm ²) Wire gauge	接线长度 Stripping length	公接插针 Male insert 型号 Type	公接插针 Male insert 订货号 Part No.	母接插针 Female insert 型号 Type	母接插针 Female insert 订货号 Part No.
0.14-0.37	AWG26-22	7.5mm CEM-0.37	3330006127	CEF-0.37	3330006227
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0.75	AWG18	7.5mm CEM-0.75	3330006114	CEF-0.75	3330006214
1.0	AWG18	7.5mm CEM-1.0	3330006105	CEF-1.0	3330006205
1.5	AWG16	7.5mm CEM-1.5	3330006104	CEF-1.5	3330006204
2.5	AWG14	7.5mm CEM-2.5	3330006102	CEF-2.5	3330006202
4.0	AWG12	7.5mm CEM-4.0	3330006107	CEF-4.0	3330006207