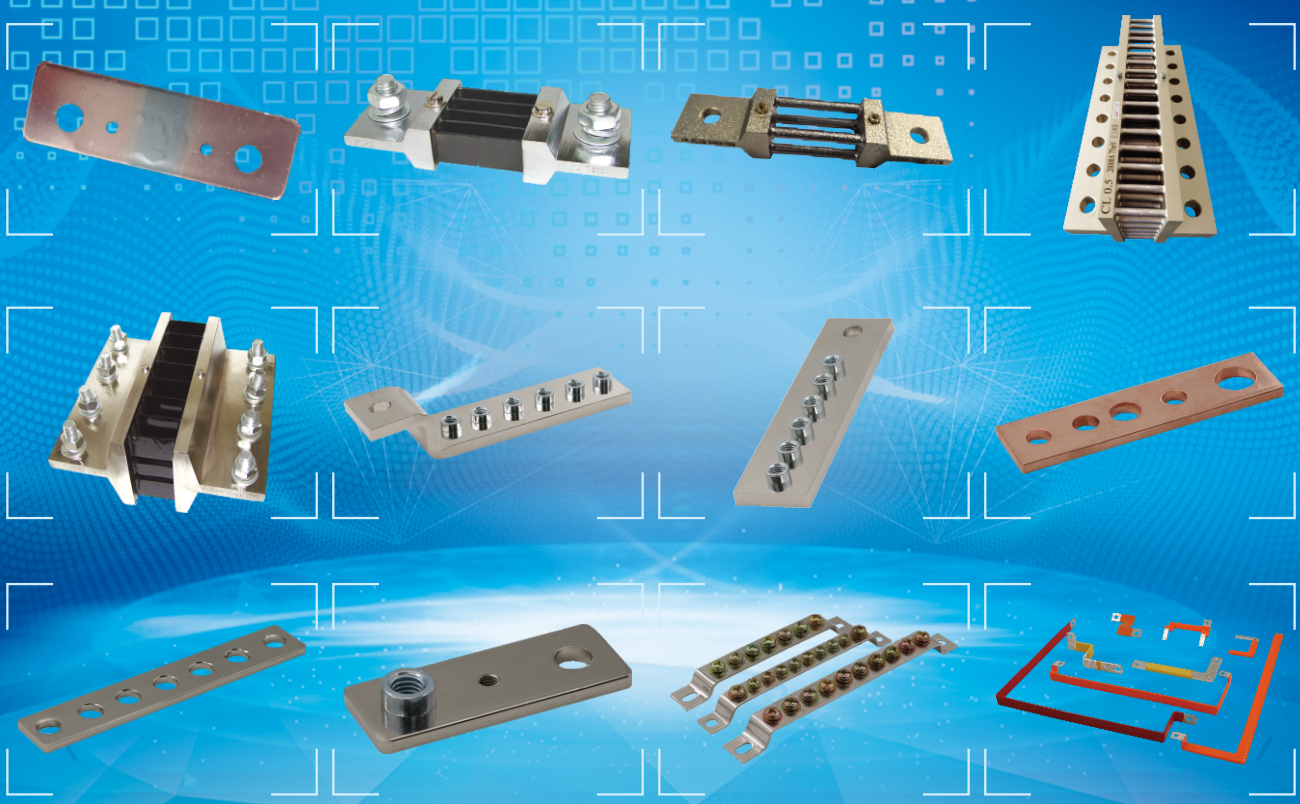
产品选型手册

分流器专业制造商



浙江赛峰电子有限公司

ZHEJIANG SAIFENG ELECTRONIC CO., LTD.

企业简介

浙江赛峰电子有限公司长期从事专注、研制、生产、加工分流器的独资工厂，公司技术实力雄厚，为满足客户的不同需求，亦可代为设计制造其他各类型特殊品种!

赛峰公司以高质量的产品，优惠的价格，优质的服务为宗旨，公司不断推出，专利电子束焊分流器、高精度交直流分流器，国内行业唯一采用大电流测试设备， 在国家计量中心，广东省计量科学研究院，武高所，上海电气科院等单位荣获计量检验报告。

产品主要用于，通讯设备、新能汽车、充电桩、太阳能光伏、高频电源、电焊机、轨道交通、计量部门等行业用户的好评。

公司位于浙江省温州乐清，公司拥有先进的生产设备，与一流的专业技术人才，能够最大程度地满足不同客户的产品技术要求，为客户提供高效的技术服务。欢迎各界朋友，真诚期待与我们建立长期业务合作关系。

About Us

Zhejiang Saifeng Electronics Co., Ltd. has long been engaged in the sole proprietorship of focusing, researching, producing and processing shunts. The company has strong technical strength. In order to meet the different needs of customers, we can also design and manufacture other special types of products!

Saifeng Company aims to provide high-quality products, discounted prices, and high-quality services. The company continuously introduces patented electron beam welding splitters and high-precision AC/DC splitters, which are the only high current testing equipment used in the domestic industry. Units such as the National Metrology Center, Guangdong Institute of Metrology, Wuhan Institute of Technology, and Shanghai Institute of Electrical Engineering have been awarded metrological inspection reports.

The products are mainly used for communication equipment, new energy vehicles, charging piles, solar photovoltaic, high frequency power supply, electric welding machine, rail transit, metrology department and other industry users.

The company is located in Yueqing, Wenzhou, Zhejiang Province. The company has advanced production equipment and first-class professional and technical personnel to best meet the technical requirements of different customers and provide efficient technical services. Welcome friends from all walks of life, sincerely look forward to establishing long-term business relationship with us.

资质证书

Qualification Certificate

ISO9001

中鉴认证有限责任公司

质量管理体系认证证书

NO：0070022Q53075R0S

兹证明

浙江赛峰电子有限公司

注册地址：浙江省乐清市白石街道凤凰村

生产/办公地址：浙江省乐清市白石街道凤凰工业区 26 号

统一社会信用代码：91330382329982 10XD

质量管理体系符合

GB/T 19001-2016/ISO9001:2015 标准

该质量管理体系适合

分流器的生产

（本证书范围仅包括证书所列场所，若覆盖范围涉及行政许可前置审批、强制性认证的，仅满足许可资质、强制性认证证书范围内的产品及服务）

颁证日期：2022 年 08 月 15 日

本证书有效期自 2022 年 08 月 15 日始至 2025 年 08 月 14 日

获证组织必须定期接受监督审核并经审核合格此证书方继续有效

公司代表（签名）

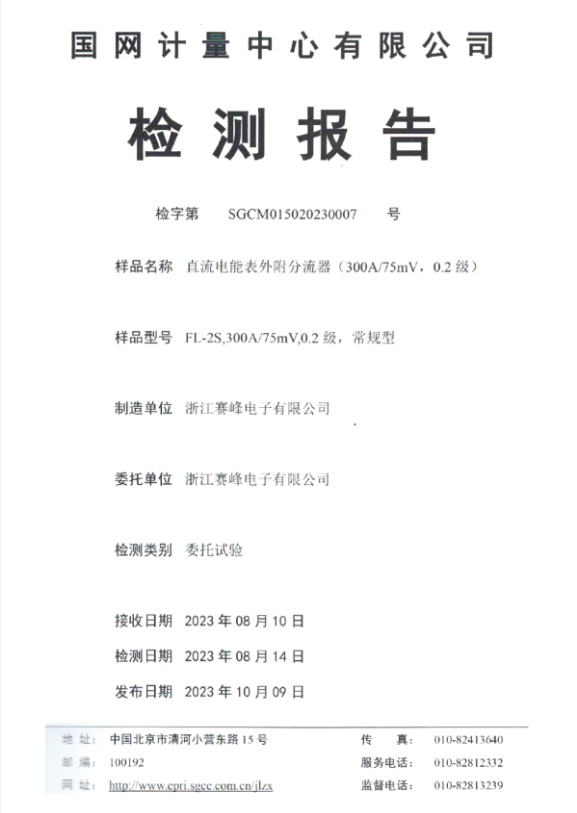
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C007-M

本证书信息可在国家认证认可监督管理委员会官方网站（www.cnca.gov.cn）上查询

证书时效及适用性可向认证机构查询：网址：www.gzcc.org.cn 或致电：020-66390902。

中国广东省广州市广州大道中 227 号华景大厦 4 楼（510600）中鉴认证有限责任公司



国网计量中心有限公司

检测报告

检字第 SGCM015020230007 号

样品名称 直流电能表外附分流器（300A/75mV，0.2 级）

样品型号 FL-2S,300A/75mV,0.2 级，常规型

制造单位 浙江赛峰电子有限公司

委托单位 浙江赛峰电子有限公司

检测类别 委托试验

接收日期 2023 年 08 月 10 日

检测日期 2023 年 08 月 14 日

发布日期 2023 年 10 月 09 日

地 址：中国北京市清河小营东路 15 号　传 真：010-82413640

邮 编：100192　服务电话：010-82812332

网 址：http://www.epri.sgcc.com.cn/jlzx　监督电话：010-82813239

编号：SGCM015020230007

国网计量中心有限公司

检测报告

产品名称	直流电能表外附分流器（300A/75mV，0.2 级）	型号	FL-2S,300A/75mV,0.2 级，常规型
委托单位	浙江赛峰电子有限公司	检测类别	委托试验
制造单位	浙江赛峰电子有限公司	样品等级	0.2 级
取样方式	自取	样品数量	9 只
额定输出电压	75mV	额定输入电流	300A
环境温度	23.1℃～23.9℃	相对湿度	55.6%～58.5%
检测日期	2023 年 08 月 14 日～2023 年 09 月 13 日	检测项目	11 项
适应温度范围	-20℃～50℃		
样品编号	H34-001，H34-002，H34-003，H34-004，H34-005，H34-006，H34-007，H34-008，H34-009		
检测依据	Q/GDW 11850—2018 直流电能表外附分流器技术规范		
检测结论	**受检样品所有检测项目的技术指标符合检测依据的要求。** 签发人： 签发日期：2023 年 10 月 09 日		
备注	本报告仅限国家电网各省电力公司供货使用。		

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编号：SGCM015020230007

9. 交变湿热试验

1. 技术条件：Q/GDW 11850—2018 第 5.2.5.1 条
2. 试验方法：Q/GDW 11850—2018 第 5.2.5.1 条
3. 试验结果：

样品编号	SGCM015020230007-009	
技术条件		试验结果
电流	基本误差极限（%）	实际误差（%）
I_t	±0.2	0.08

4. 试验结论：符合

10. 低温小电流试验

1. 技术条件：Q/GDW 11850—2018 第 4.7.1 条
2. 试验方法：Q/GDW 11850—2018 第 5.2.5.2 条
3. 试验结果：

样品编号	SGCM015020230007-008			
技术条件				试验结果
温度	电流	时间	误差改变极限（%）	实际误差改变（%）
-20℃	0.1I_t	30s～1min	±0.4	-0.14
-40℃	0.1I_t	30s～1min	±0.4	-0.60

4. 试验结论：符合

11. 高温大电流试验

1. 技术条件：Q/GDW 11850—2018 第 4.7.2 条
2. 试验方法：Q/GDW 11850—2018 第 5.2.5.3 条
3. 试验结果：

样品编号	SGCM015020230007-008			
技术条件				试验结果
温度	电流	时间	误差改变极限（%）	实际误差改变（%）
50℃	I_t	热平衡后	±0.2	0.02
70℃	I_t	热平衡后	±0.2	0.04

4. 试验结论：符合

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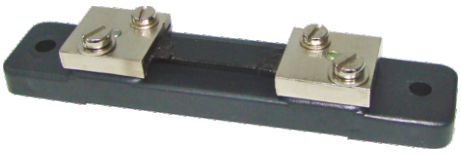

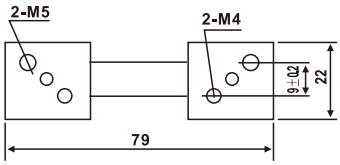

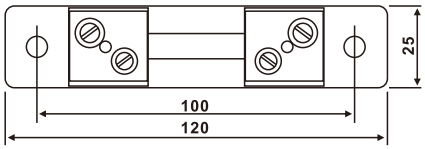

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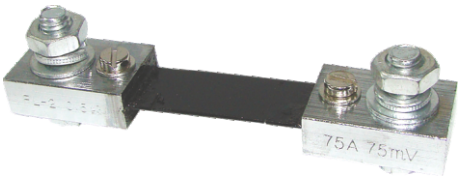

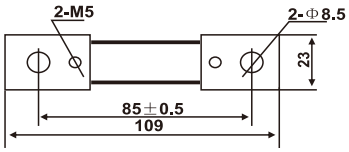

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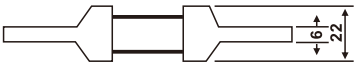

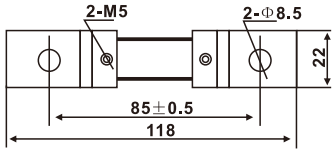

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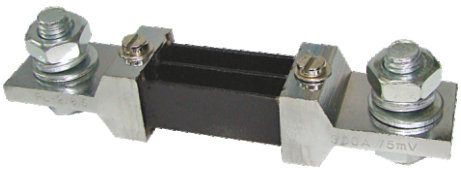

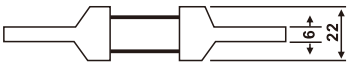

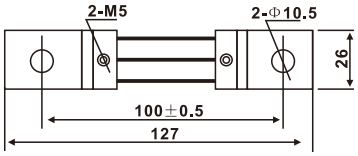

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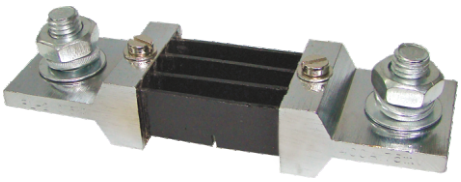

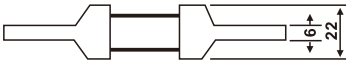

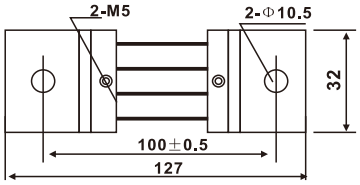

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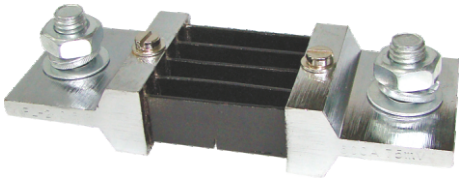

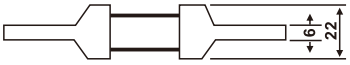

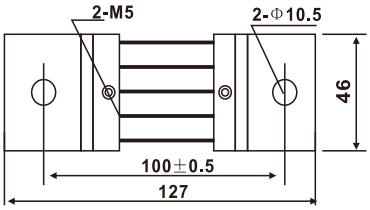

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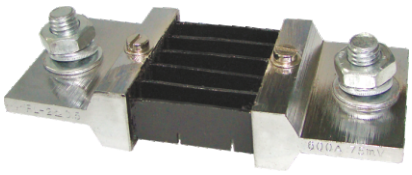

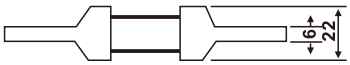

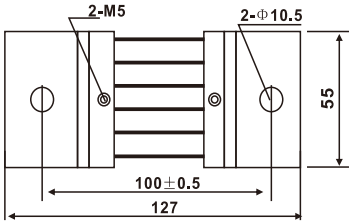

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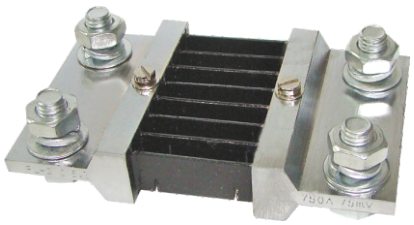

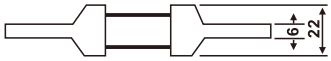

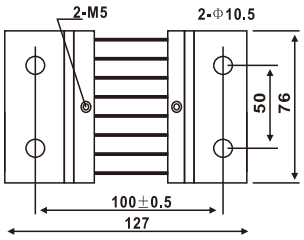

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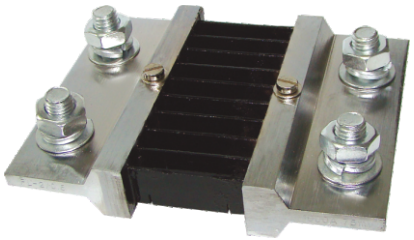

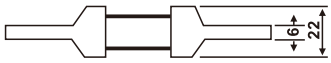

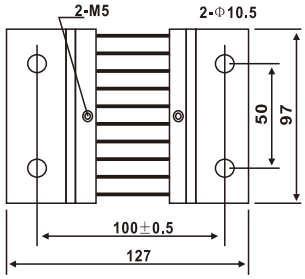

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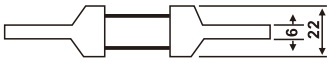

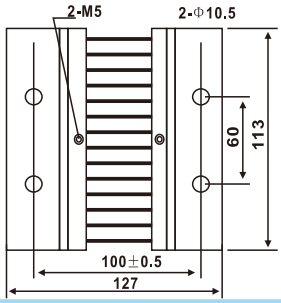

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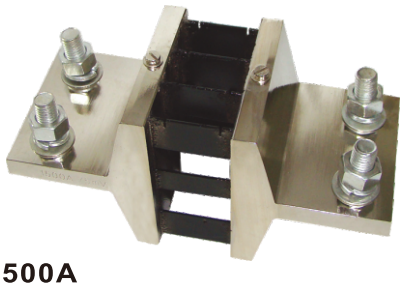

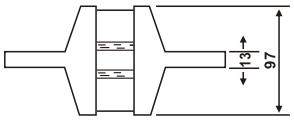

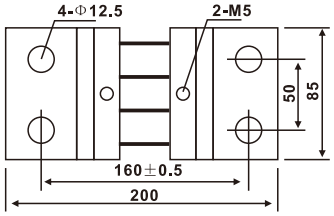

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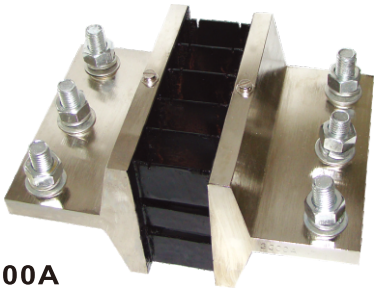

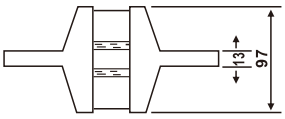

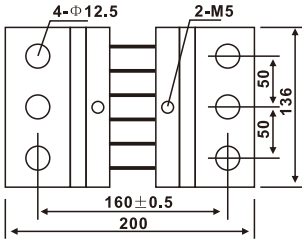

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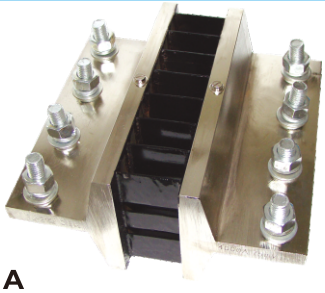

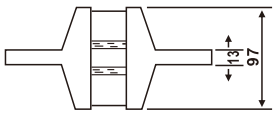

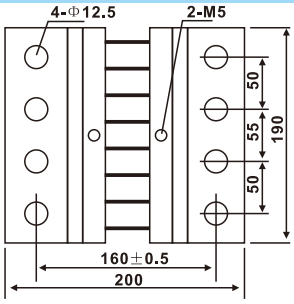

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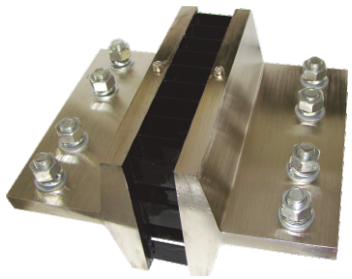
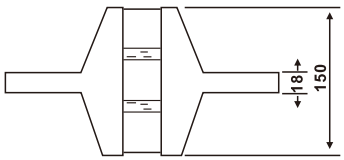
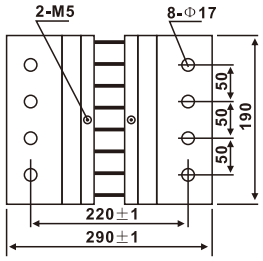
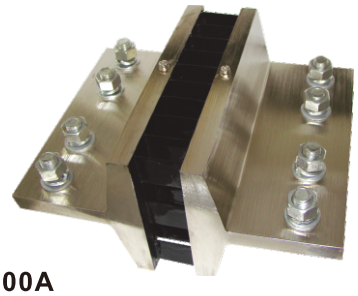
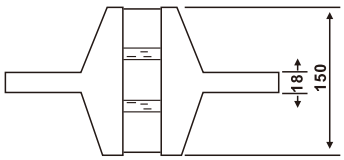


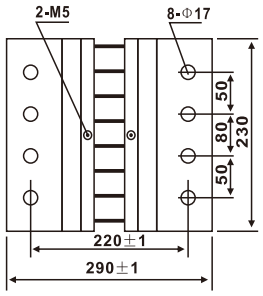




5000A







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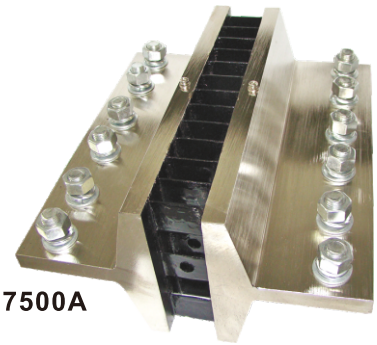
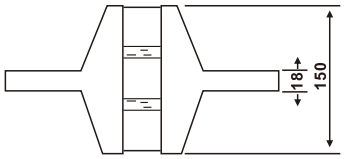
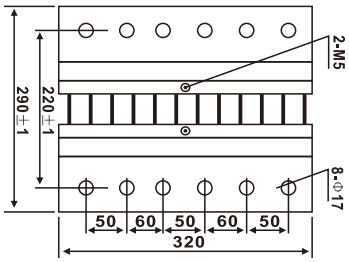
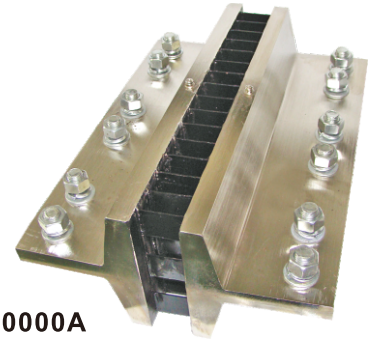
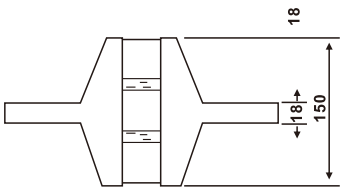


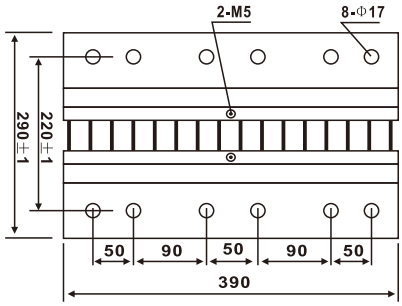




7500A







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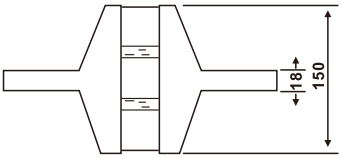
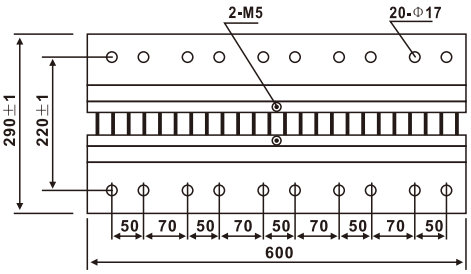
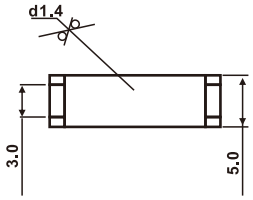
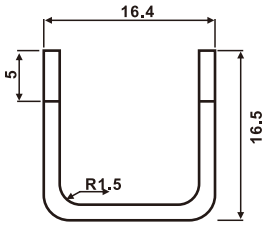




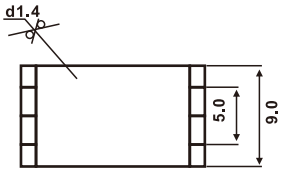
15000A

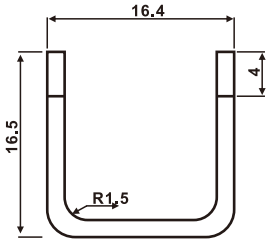
40A U型

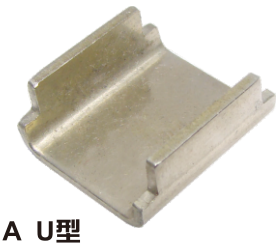




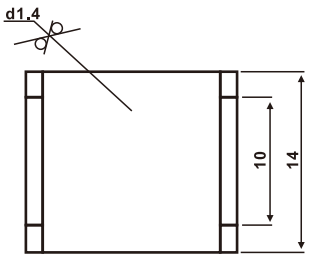
60A U型

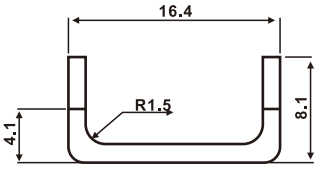


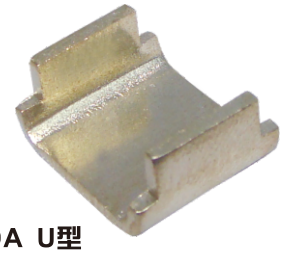




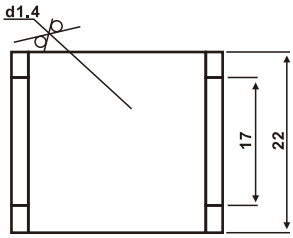
180A U型

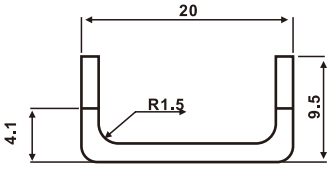


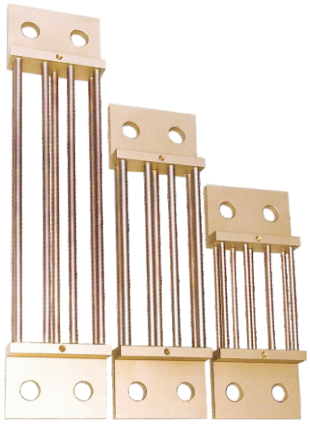




300A U型



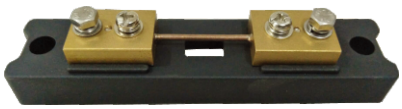


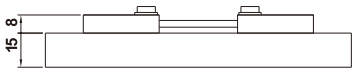


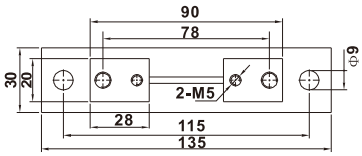
技术参数 Technical Parameter

过载能力 Overload capability	
连续的 Continuously	1.2倍额定电流 1.2 times rated current
5s	≤2000A 5 倍额定电流 ≤2000A 5 times rated current
	>2000A 2 倍额定电流 > 2000 A 2 times rated current
250ms	95KA
精确度 Accuracy	0.5级Level
参考环境温度 Reference Ambient Temperature	23℃+-1K
标准 Standard	DIN43 703
工作温度范围 Range Of Working Temperature	-10...+55℃
储存温度范围 Storage Temperature Range	-25...+65℃
相对湿度 Relative Humidity	≤75%年平均数，不冷凝 Less than 75% annual average, no condensation

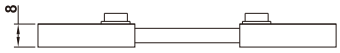
1-25A



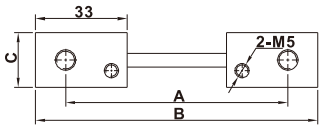




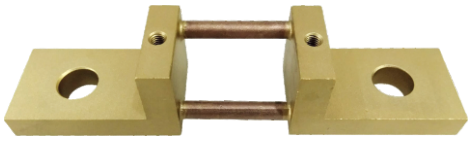
30-150A

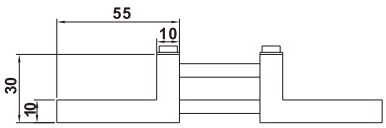


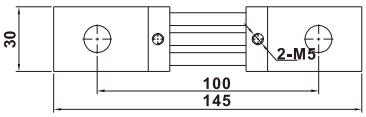
TYPE	A	B	C
60mV	80	100	20
100mV	103	123	20



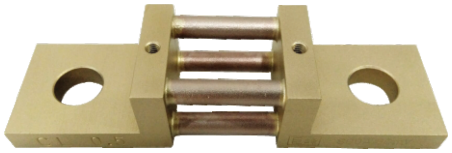
200-300A

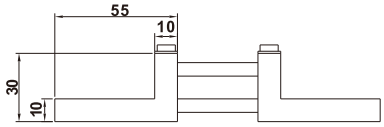




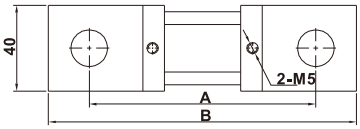


400-600A

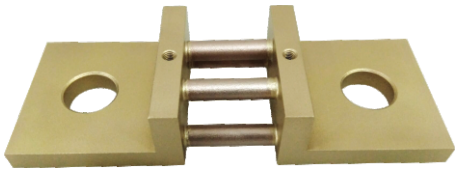


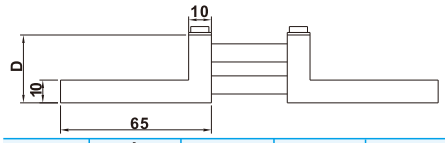


TYPE	A	B
60mV	100	145
100mV	128	168

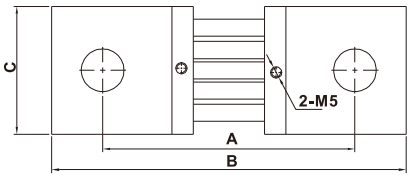


800-1000A

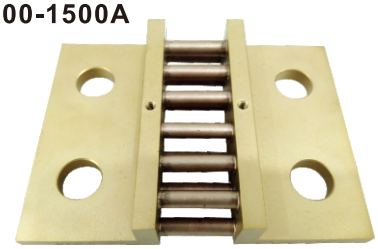


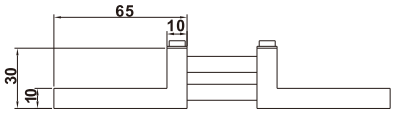


TYPE	A	B	C	D
60mV	115	165	60	30
100mV	138	188	60	30

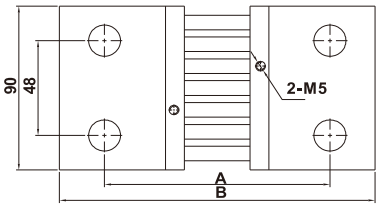


1200-1500A

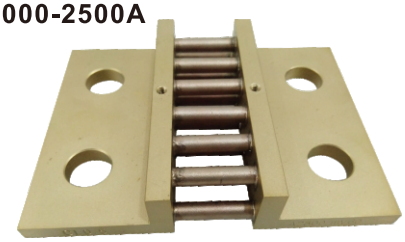


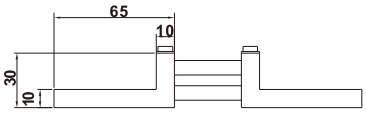


TYPE	A	B
60mV	115	165
100mV	138	188

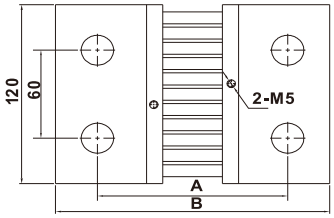


2000-2500A

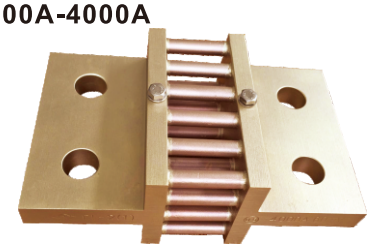


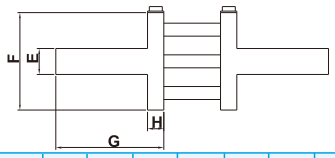


TYPE	A	B
60mV	115	165
100mV	138	188

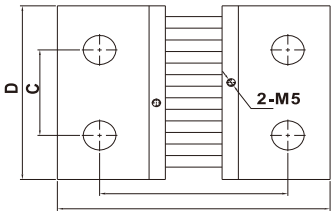


3000A-4000A

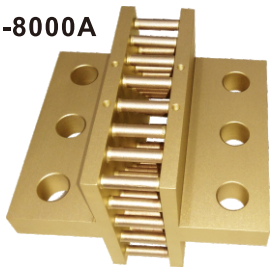


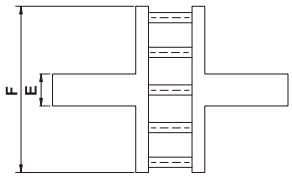


TYPE	A	B	C	D	E	F	G	H
60mV	115	165	60	120	15	60	65	10
100mV	138	188	60	120	15	60	65	10

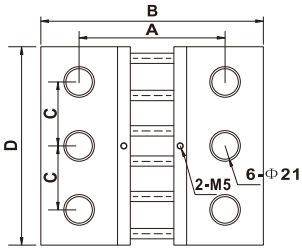


6000A-8000A

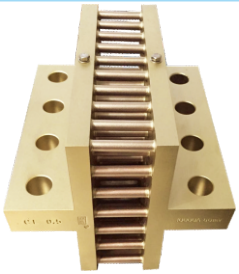


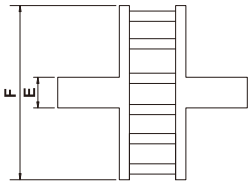


TYPE	A	B	C	D	E	F	孔径M1	M
60mV	125	175	52	154	25	130	20	5
100mV	150	198	52	154	25	130	20	5

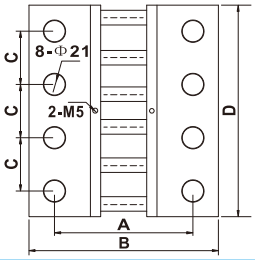


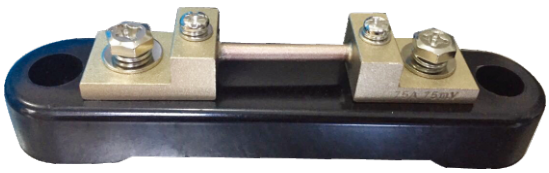
10000A

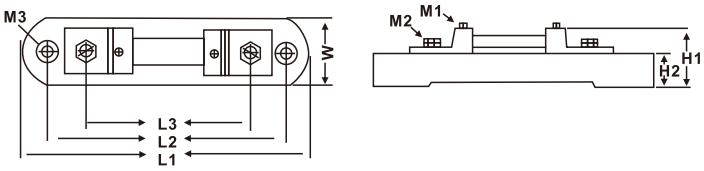




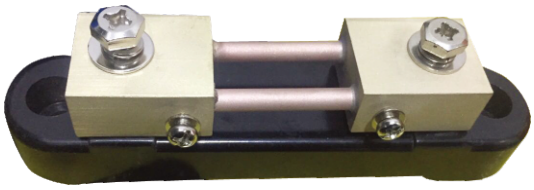
TYPE	A	B	C	D	E	F	孔径M1	M
60mV	135	185	52	206	30	170	20	5
100mV	160	215	52	206	30	170	20	5

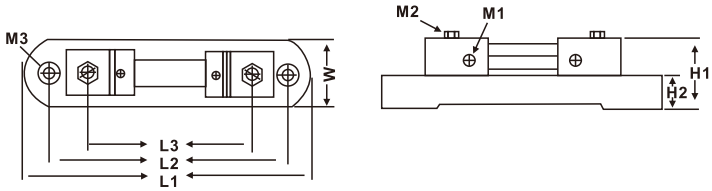




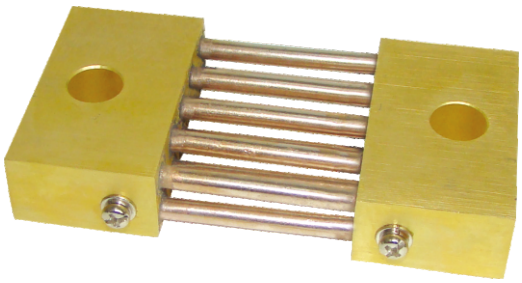


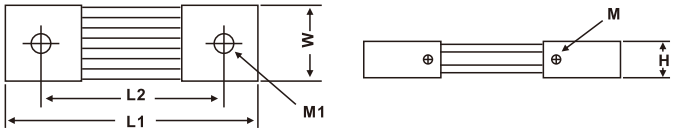
种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	L3	宽W Wide	高H1 High	高H2 High	大孔径M3 Big hole distance	M1	M2	重量 Weight g
1A~125A	135	110	73	30	30	16	6	3	6	140



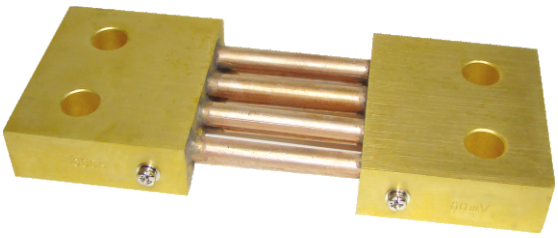


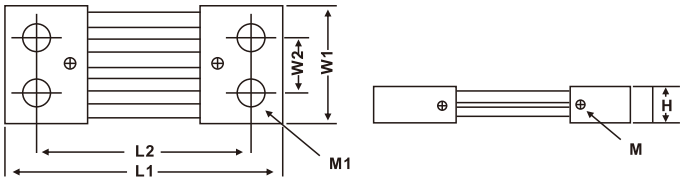
种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	L3	宽W Wide	高H1 High	高H2 High	大孔径M3 Big hole distance	M1	M2	重量 Weight g
150A~200A	135	110	67	30	32	16	6	3	8	190



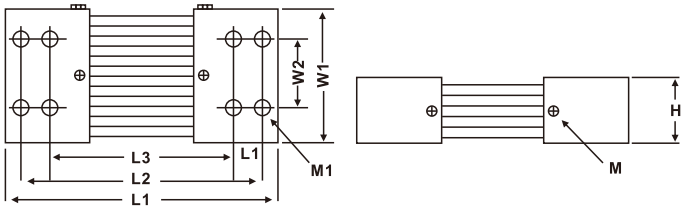


种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	宽W Wide	高H1 High	大孔径M3 Big hole distance	螺丝 Screw M	重量 Weight g
250A	115	84	41	12.0	10	4	390
300A	115	84	35	18.5	13	4	395
400A	115	84	44	18.5	13	4	510
500A	115	84	55	18.5	13	4	650
600A	115	89	55	21.5	13	4	800

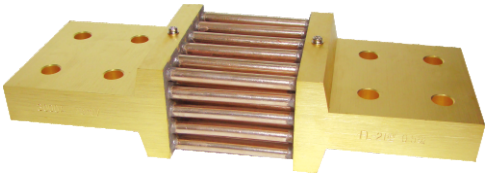


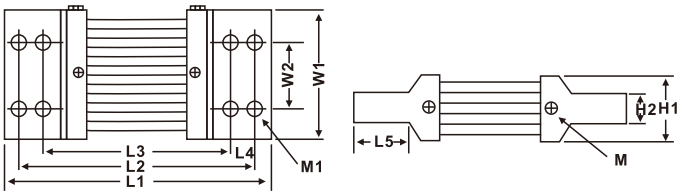


种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	宽W Wide	两孔距W2 Two hole distance	高H1 High	大孔径M1 Big hole distance	螺丝 Screw M	重量 Weight g
800A	121	89	70	35	21.5	13	4	0.99
1000A	160	121	70	35	21.5	14	4	1.45
1200A	162	123	85	45	21.5	14	4	1.8
1500A	161	122	100	49	21.5	14	4	2.2

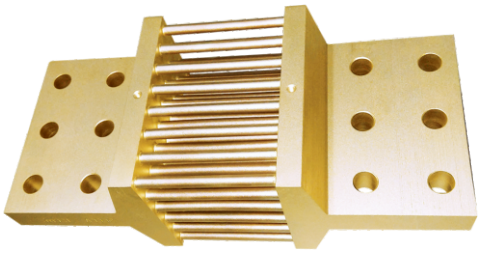


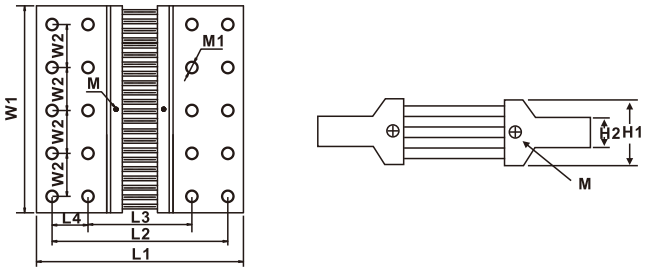
种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	L3	L4	宽W Wide	两孔距W2 Two hole distance	高H1 High	大孔径M1 Big hole distance	螺丝 Screw M	重量 Weight g
2000A	190	166	90	38	100	50	39	14	4	4.7
2500A	190	166	90	38	110	55	39	14	4	5.3





种类50mV 规格TYPE	总长L1 Total length	大孔距L2 Big hole distance	L3	L4	L5	宽W Wide	两孔距W2 Two hole distance	高H1 High	高H2 High	大孔径M1 Big hole distance	螺丝 Screw M	重量 Weight g
3000A	273	232	142	45	90	103	55	64	28	14	4	7
4000A	292	253	153	50	97	110	55	82	34	17	4	9.5
5000A	315	271	163	54	100	128	60	106	41	17	4	15
6000A	372	283	175	55	108	133	65	115	48	18.5	4	19.2





规格 TYPE	50mV 总长L1 Total length	60mV 总长L1 Total length	100mV 总长L1 Total length	50mV 孔距L2 Hole distance	60mV 孔距L2 Hole distance	100mV 孔距L2 Hole distance	50mV 孔距L3 Hole distance	60mV 孔距L3 Hole distance	100mV 孔距L3 Hole distance	50-100mV 宽W1 Wide	50-100mV 孔距W2 Wide	50-100mV 孔距L4 Hole distance	50-100mV 高 H1 High	50-100mV 高 H2 High	50-100mV 大孔径M1 Big hole distance	螺丝 Screw M
8000A	300	307.5	345	260	267.5	305	150	157.5	195	220	55	45	135	40	40	4
10000A	327	342	400	285	300	358	195	210	268	265	60	45	135	40	40	4

固定式定值分流器说明 Description of Fixed Value Diverter

用途 Application

固定式定值分流器是一种适用于对测量直流电流在10kA以下直接作用于模拟显示仪器连同使用以扩大直流电流测量范围的外附分流器，或可看成在依次电路中作电流取样用的标准电阻器，其取样电压可看作测量用的一次电流的模拟信号。

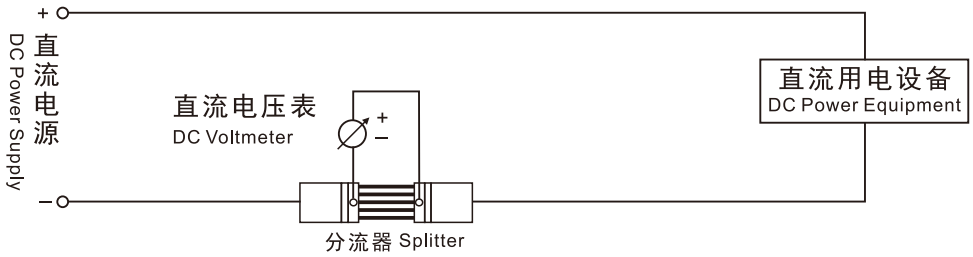
Fixed fixed value shunt is a kind of external shunt which can directly act on the analog display instrument when the measured DC current is less than 10kA and is used to expand the DC current measurement range, or it can be regarded as a standard resistor for current sampling in the sequential circuit, and its sampling voltage can be regarded as the analog signal of the primary current for measurement.

主要技术参数 Main Technical Parameters

1、准确度等级：2-4000A；0.5级；5000~10000A；1级。
2、环境条件：-40~+60℃，相对温度≤95%（35℃）。
3、超载性能：额定电流120%，2小时。
4、电压降：50mV 60mV 75mV 100mV。
5、负载下发热：温升变化趋于稳定后，额定电流50A以下不超过80℃；额定电流50A以上不超过120℃。

1. Accuracy level: 2-4000a; 0.5; 5000-10000a; level 1.
2. Environmental conditions: - 40 ~ + 60 ℃, relative temperature ≤ 95% (35 ℃).
3. Overload performance: rated current 120%, 2 hours.
4. Voltage drop: 50mV 60mV 75mV 100mV.
5. Heating under load: after the temperature rise becomes stable, the rated current below 50A shall not exceed 80 ℃; the rated current above 50A shall not exceed 120 ℃.

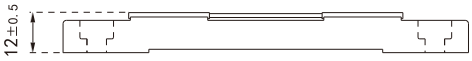
分流器接线示意图 Shunt wiring diagram

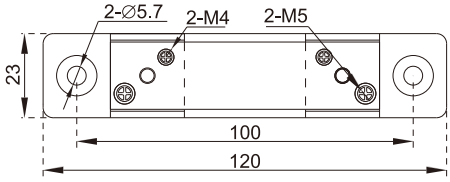


注意事项 Attention

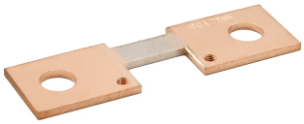
一、分流器一次回路的电缆（或铜排）与分流器连接处不允许有人为的接触电阻，二次电压的取样点不能从非取样点取样。
二、实际使用的电流（长时间）建议不超过额定电流的80%。

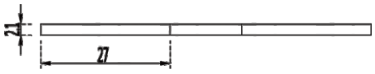
I. no artificial contact resistance is allowed at the connection between the cable (or copper bar) of the primary circuit of the diverter and the diverter, and the sampling point of the secondary voltage cannot be sampled from the non sampling point.
II. The actual current (for a long time) is recommended not to exceed 80% of the rated current.

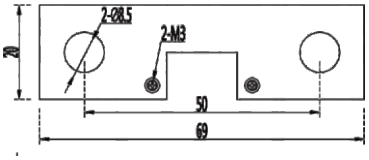




75-100A







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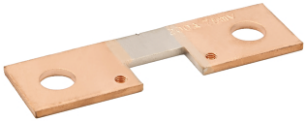

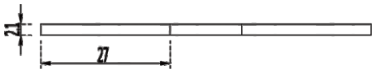

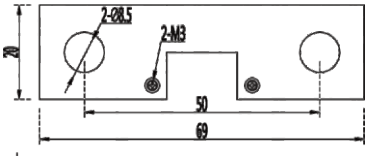

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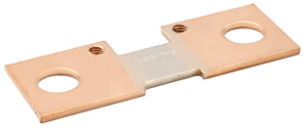

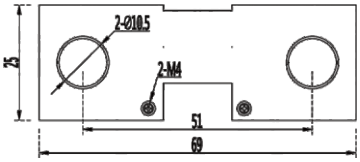

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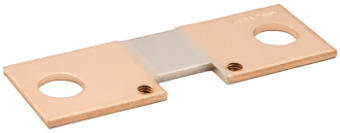

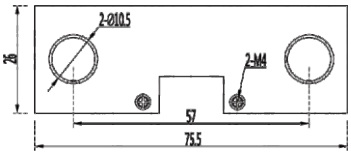

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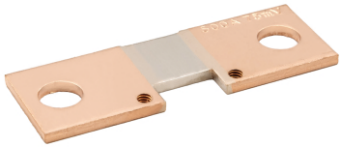

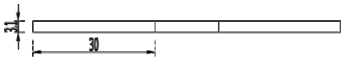

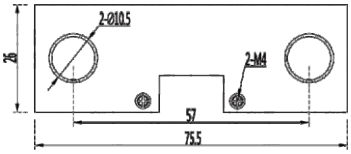

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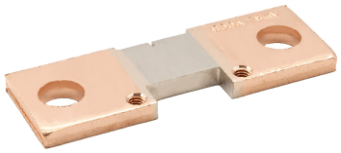

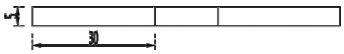

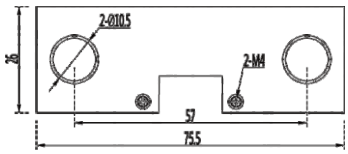

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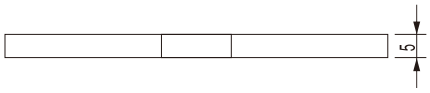

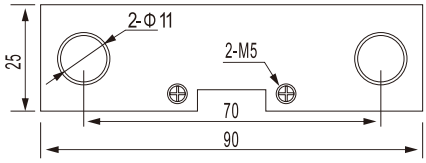

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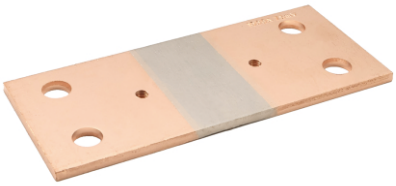

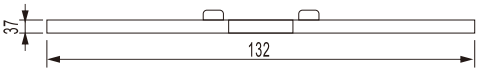

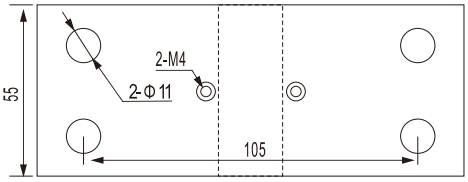

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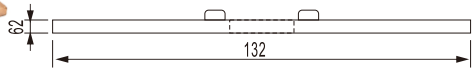

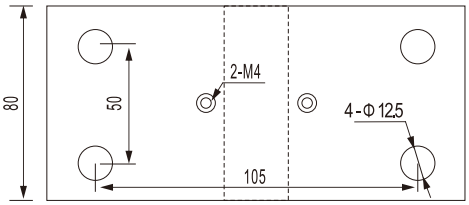

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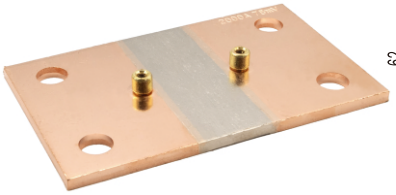

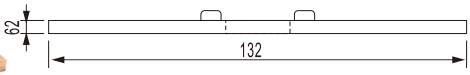

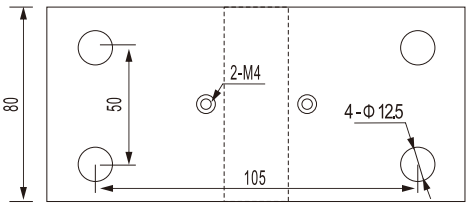

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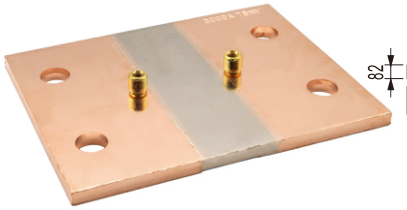

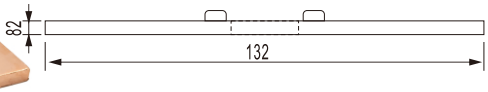

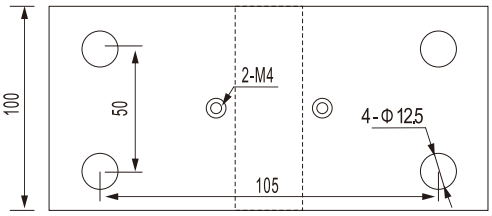

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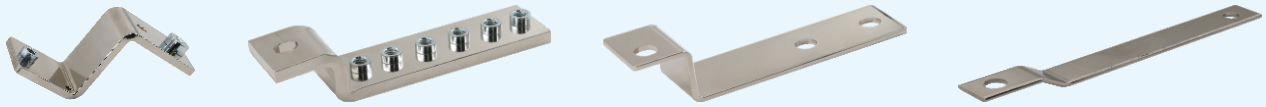

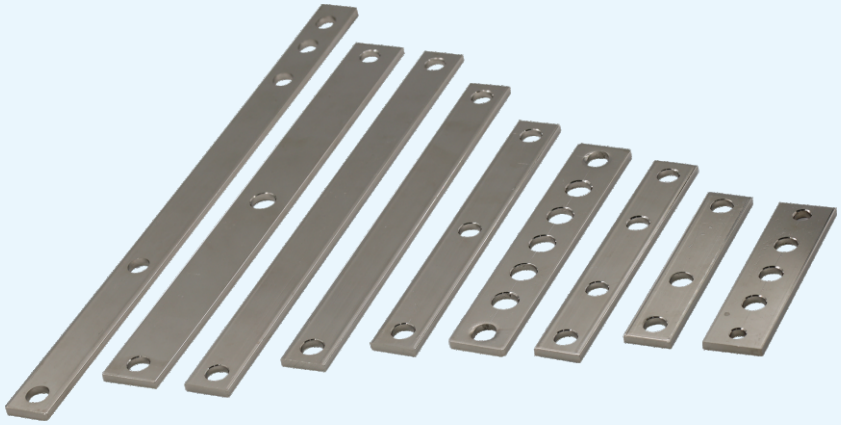

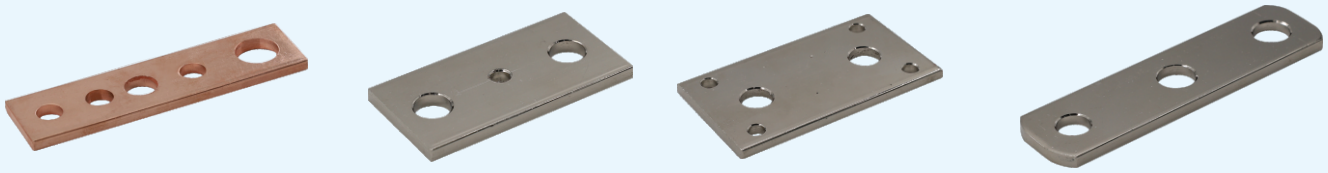

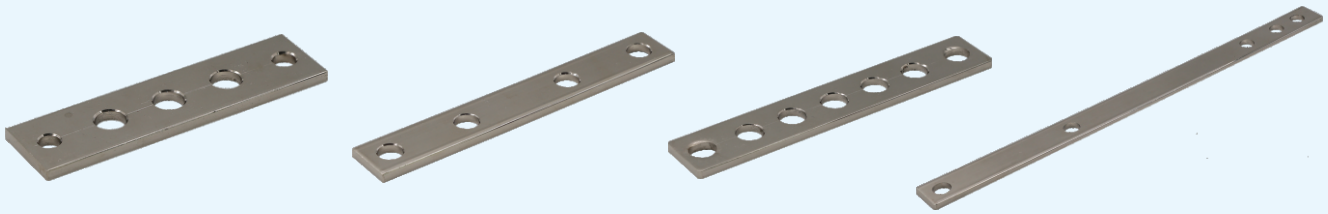

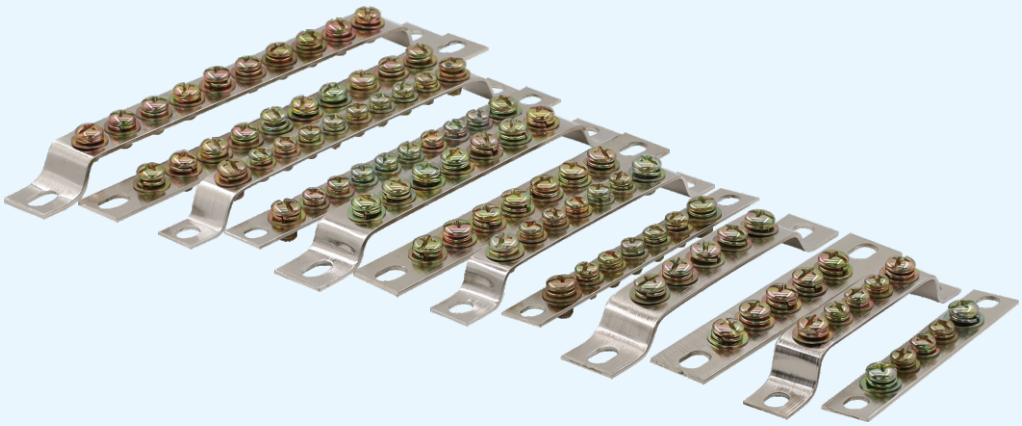

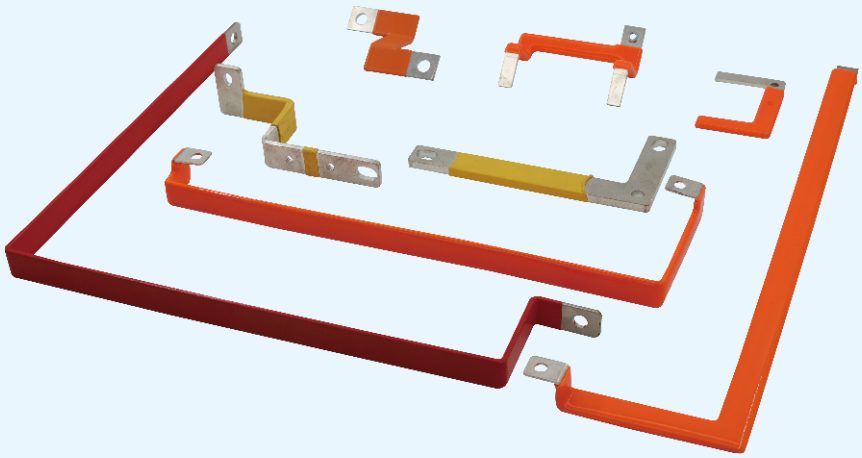

浙江赛峰电子有限公司

ZHEJIANG SAIFENG ELECTRONIC CO., LTD.

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