



霍尔电量传感器

Current and Voltage Transducer



托肯科技

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南京托肯电子科技有限公司

南京普肯传感科技有限公司

NANJING TOKEN ELECTRONICS SCIENCE & TECHNOLOGY CO.,LTD

2023版



公司介绍

电量传感器系统解决方案提供商

托肯科技

大工业时代电量传感器专家

公司简介

南京托肯电子科技有限公司，2002年成立于古城南京，是一家专业从事各类电量传感器研发、生产、销售与售后服务的民营高科技企业，是国内较早从事传感器研发与生产的公司之一！

企业领导人简介

邹高芝, 湖南省衡阳人，中共党员。

1987年毕业于吉林大学半导体物理与器件专业。

1987年7月至2002年3月，南京半导体器件总厂任高级电子工程师，带领技术团队完成数百种霍尔传感器开发项目。南京市跨世纪后备人才，获得过南京市科技进步二等奖，先后完成航天及载人工程8项国家重大工程配套的传感器项目，填补国内空白。

2002年创办南京托肯电子科技有限公司

2011年创建南京普肯传感科技有限公司

2018年2月1日参与制定GB/T 340720-2017 《物联网电流变送器规范》标准

现任托肯科技、普肯传感董事长和技术总监

愿 景： 让客户满意 致力成为电量传感器标杆
受社会景仰 有能力守护员工幸福生活
使 命： 健康持续发展 践行社会责任
价 值 观： 团结、正义、胸怀坦荡
质量方针： 技术领先、顾客至上、科学规范、质量第一
企业文化： 孝 道 仁 和 行

受用户青睐的产品

秉承深耕传感器领域、持续创造精品的经营理念，贯彻“以服务为基础、以质量为生存、以科技求发展”的服务宗旨，以产品创新推动服务增长，形成 T0 常规系列和T00K 高精度两大产品系列。其中，TKC***系列霍尔开环型电流传感器、TBC***系列霍尔闭环型电流传感、TBV***系列霍尔闭环型电压传感器与 TDC***系列磁调制式直流漏电流传感器，在市场上深受用户青睐。产品远销美国、英国、意大利、俄罗斯、日本、韩国、印度、中国台湾等地区。

科研驱动生产

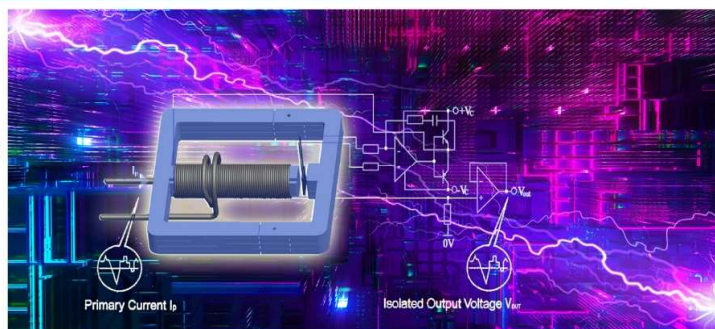
公司聘请多名业内知名专家和名校教授作为公司技术顾问，以具有国际视野的老中青骨干人员为团队核心，构建科研驱动为主、精益生产和市场外拓为两翼的团队发展模式。经过20年砥砺发展，形成了一支在军工、民用电量传感器领域具有较强研发、生产、销售、服务的综合型团队。

提供定制开发服务，电流规格最小10毫安 ~ 最大10万安培，开发周期快。

托肯科技 传感未来

2021年2月公司组建一支拥有经验丰富、年轻专业的总经理经营团队，开启新征途。

努力成为引领电量传感行业典范！



科研与技术并行的发展路线

自成立以来，公司始终坚持高端定位、技术领先、卓越品质的发展理念，高度重视产品质量和技术研发创新，健全企业的技术标准体系。公司专利：发明3项、实用新型41项、授权商标 8 个；颁布和备案 3 个电量传感器企业标准。先后通过高新技术产品认定、高新技术企业评定、ISO9001、ISO14001、ISO45001、IATF16949、ROHS、CE、UL 等认证。产品广泛应用于变频器、电焊机、伺服电机、UPS电源、汽车、电力机车、储能、可再生能源、航空航天仪表、铁路系统、电力电网等，工业自动化控制和节能等领域，得到了世界各地用户的广泛认同。

旗下企业

旗下全资子公司南京普肯传感科技有限公司，总投资约 8500万元，拥有面积达 20000 平方米的现代化标准厂房；2011年，公司启动了电量传感器规模化流水线生产项目，产品采用自动化工艺，能高效满足用户需求。通过高新技术企业认证，成为本土为数不多的具有开拓创新精神的新型企业。

Honor of qualification

资质荣誉

勇于/创新



专注 专业 高效

经过20多年的技术沉淀与积累，自主研发产品型号近300种，型号齐全！种类在国内霍尔电流传感器厂家占首位。

传感器在电力电子领域的广泛应用：

航空航天



电力机车



汽车电子



变频器



电焊机



UPS电源



伺服电机



光伏新能源

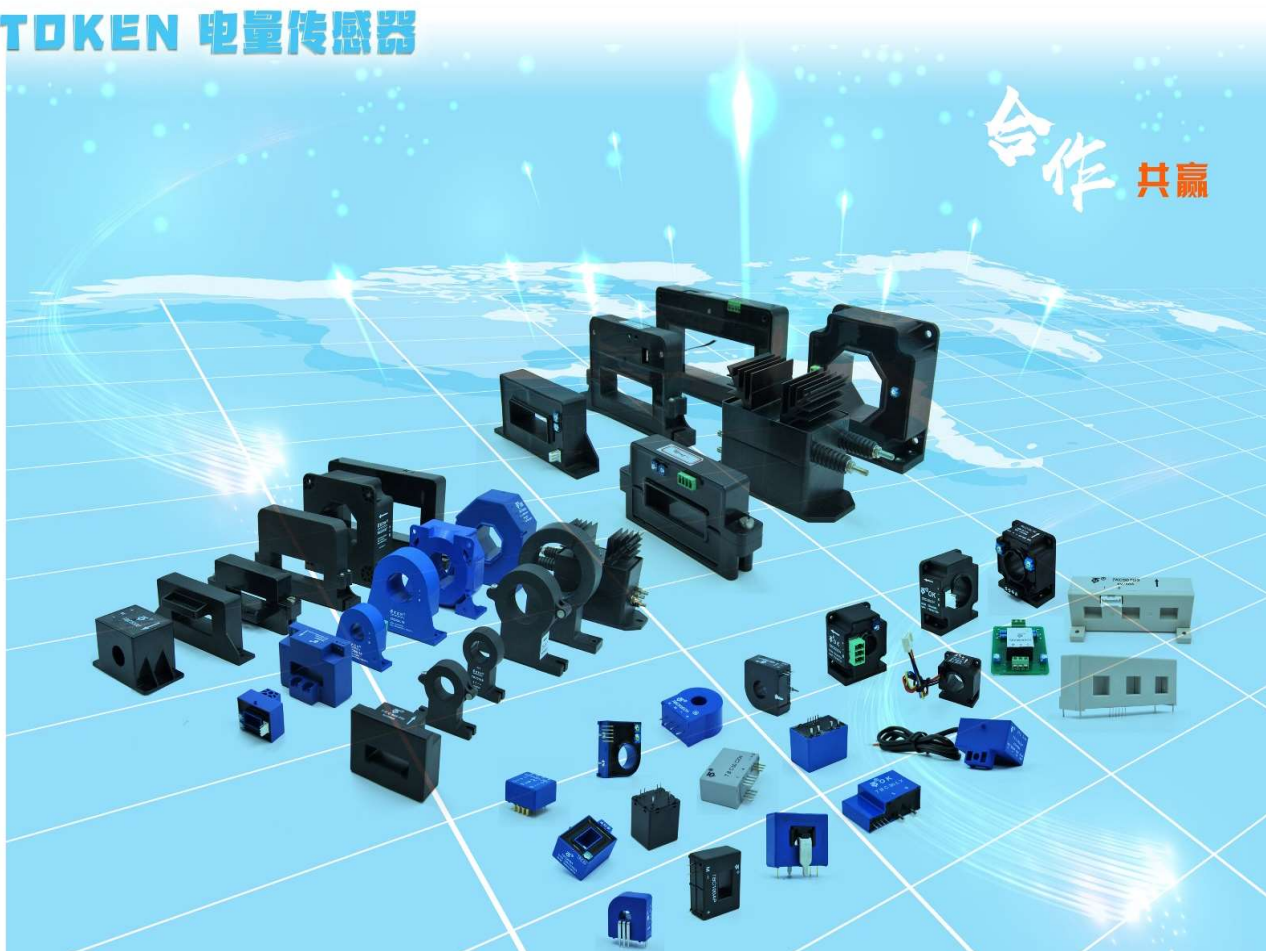


电力系统



TOKEN 电量传感器

合作 共赢



电量传感器技术

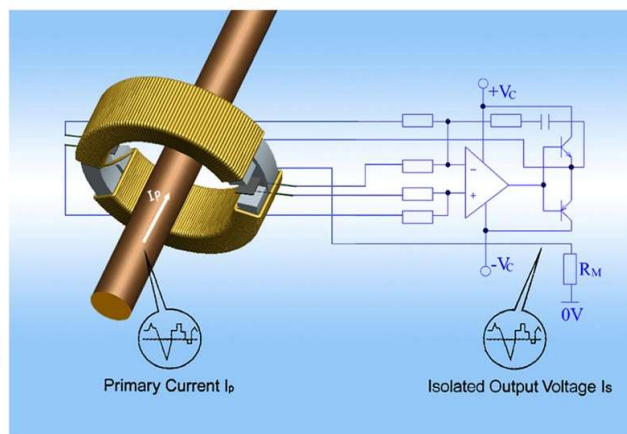
高精度闭环型电流传感器

特点

- * “无”位置误差，高精度
- * 宽频带
- * 低温漂移
- * 优异的线性度
- * 测量范围宽
- * 无插入损耗

工作原理

同轴多环路磁路结构和对每环路中 n 个霍尔元件的输出求算术平均值，消除了传感器输出的位置误差，亦使传感器输出的噪声、温漂、测量下限等同比降低了1倍，使传感器能精密测量初级电流的大小和变化。



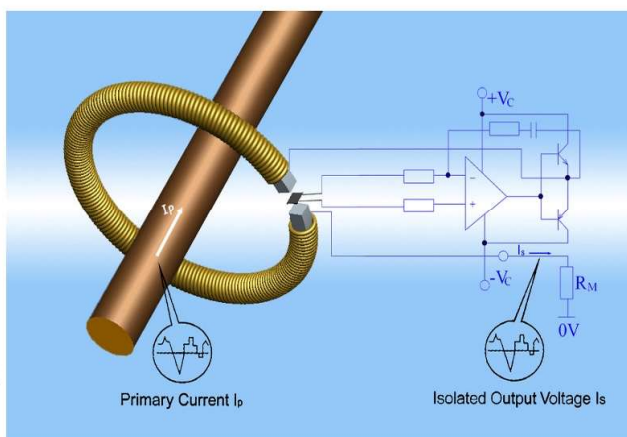
闭环型电流传感器

特点

- * 宽频带
- * 良好的总体精度
- * 快速响应时间
- * 低温漂移
- * 优异的线性度
- * 无插入损耗

工作原理

初级电流 I_p 产生的磁场与次级线圈电流产生的磁场相抵消而达到动态平衡，霍尔元件及相关电路产生次级补偿电流，此电流能准确地对应于初级电流的大小和变化。



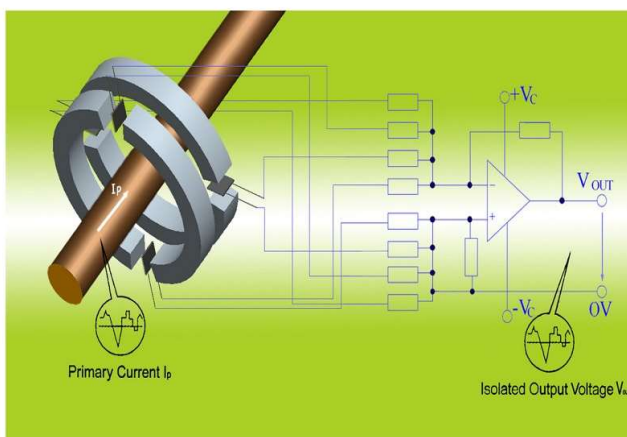
高精度开环型电流传感器

特点

- * 体积小
- * 测量范围宽
- * “无”位置误差，高精度
- * 低能量损耗
- * 无插入损耗

工作原理

同轴多环路磁路结构和对每环路中 $2n$ 个霍尔元件的输出求算术平均值，消除了传感器输出的位置误差，亦使传感器输出的噪声、温漂、测量下限等同比降低了1倍，使传感器能精密测量初级电流的大小和变化。



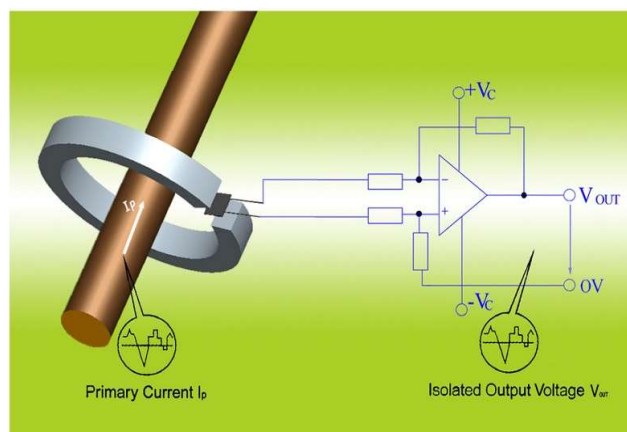
开环型电流传感器

特点

- * 体积小
- * 测量范围宽
- * 重量轻
- * 低能量损耗
- * 无插入损耗

工作原理

初级电流 I_p 产生的磁场聚生在磁环中，用霍尔元件在气隙处进行检测，霍尔元件的输出经过放大处理，使传感器的输出能精确反映初级电流的大小和变化。

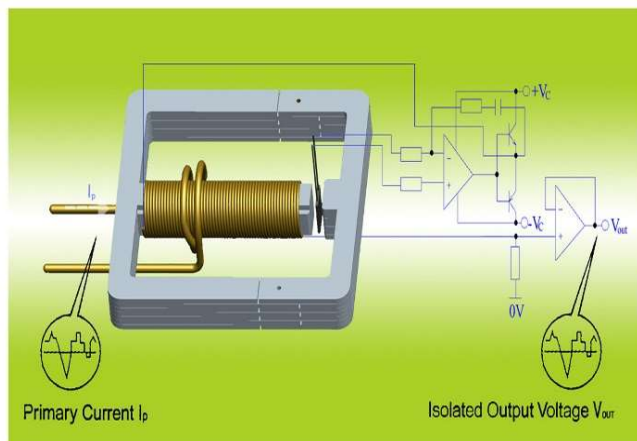


特点

- * 高精度测量，宽动态范围
- * 低温度漂移
- * 优异的电隔离能力
- * 良好的线性度
- * 重量轻、体积小

工作原理

轴对称磁路结构消除了环路剩磁对小电流测量零点变化的影响，分别绕制初、次级线圈的内、外骨架提升了传感器的电隔离能力，电路结合开环和闭环原理的特点，使传感器具有两种工作原理的双重优势。

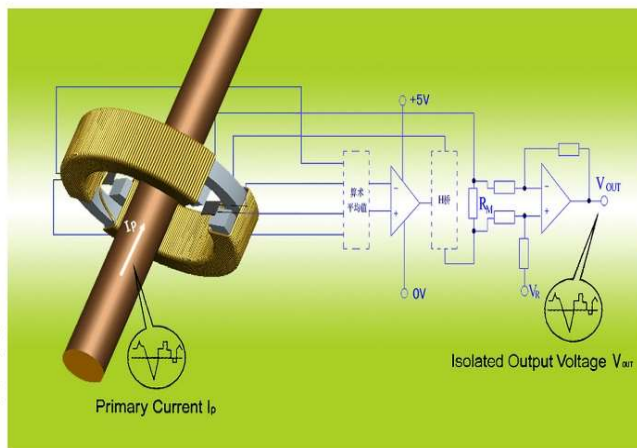


特点

- * 高精度
- * 优异的电隔离能力
- * 单电源+5V工作
- * 高温稳定性
- * 宽动态范围
- * 宽广的频率范围

工作原理

同轴多环路磁路结构和对每环路中n个霍尔元件的输出求算术平均值，消除了传感器输出的位置误差，亦使传感器输出的噪声、温漂、测量下限等同比降低了1/倍，使传感器能精密测量初级电流的大小和变化。电路技术结合开环和闭环原理的特点，使传感器具有两种工作原理的双重优势。

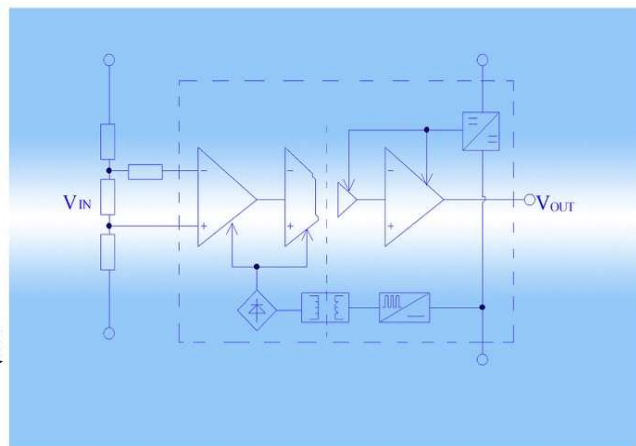


特点

- * 测量任何DC、AC、脉冲及混合信号
- * 优异的隔离能力
- * 快速宽频带动态响应
- * 快速响应时间
- * 接受小批量定制

工作原理

待测电压通过输入电阻网络加入隔离放大器的输入端，经电隔离后，输入信号可被处理成一个输出电流，此电流可精确地反映待测电压。输入电阻网络是用户外接的，需用户选配。

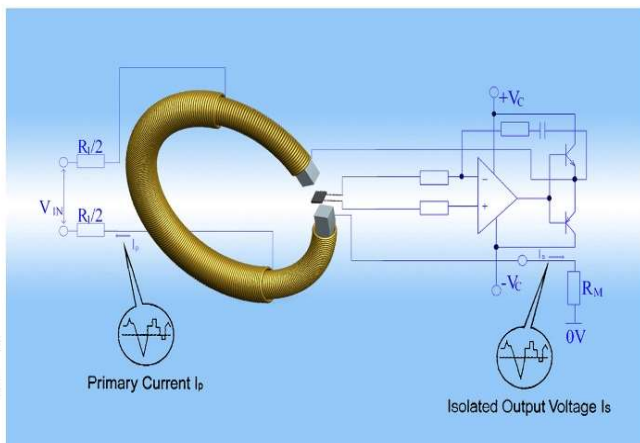


特点

- * 高压检测
- * 低温度漂移
- * 优异的电隔离能力
- * 优异的总体精度
- * 优异的线性度

工作原理

待测电压通过串联的初级电阻而产生对应的初级电流 I_p ，此电流产生的磁场与次级线圈电流产生的磁场相抵消而达到动态平衡，霍尔元件及辅助电路产生次级补偿电流，此电流可精确反映初级电压。初级电阻由用户外接，需用户选配。





公司发展进程

2002	2006	2011	2018	2021	• • • • •
● 成立	坚持	● 发展	优化	● 创造	
南京托肯电子科技有限公司成立		投资8500万成立全资子公司 南京普肯传感科技有限公司		无限可能	

2002年05月 成立南京托肯电子科技有限公司

2011年11月 投资成立南京普肯传感科技有限公司，注册资金2100万
公司成功搬迁到南京市江宁区禄口集中工业园区飞天大道80号

2012年08月 我司独立发明的6项国际专利PCT申请成功，已经授权

2012年10月 经过4年努力，与美国TI公司联合开发出ASIC封装集成专业芯片，首次用于电流传感器上

2013年06月 激光调阻机设备为国内首个导入的霍尔传感器厂家,与日本知名企业开发传感器项目

2014年05月 与国家研究所开展合作，开发霍尔传感器项目。

2015年03月 公司大力投入自动化设备，80%以上常规产品采用自动化工艺生产

2015年06月 正式作为韩国CORE在中国的研发生产基地

2016年03月 与中国中车正式签定合作协议

2018年09月 参与制定GB/T 340720-2017 《物联网电流变送器规范》标准

2020年08月 南京托肯电子科技/南京普肯传感科技 获得高新技术企业认定

2021年05月 公司组建总经理经营团队

2023年01月 走托肯振兴之路，第一个五年战略规划开启之年

DIRECTORY

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电流/电压/隔离放大器传感器技术原理

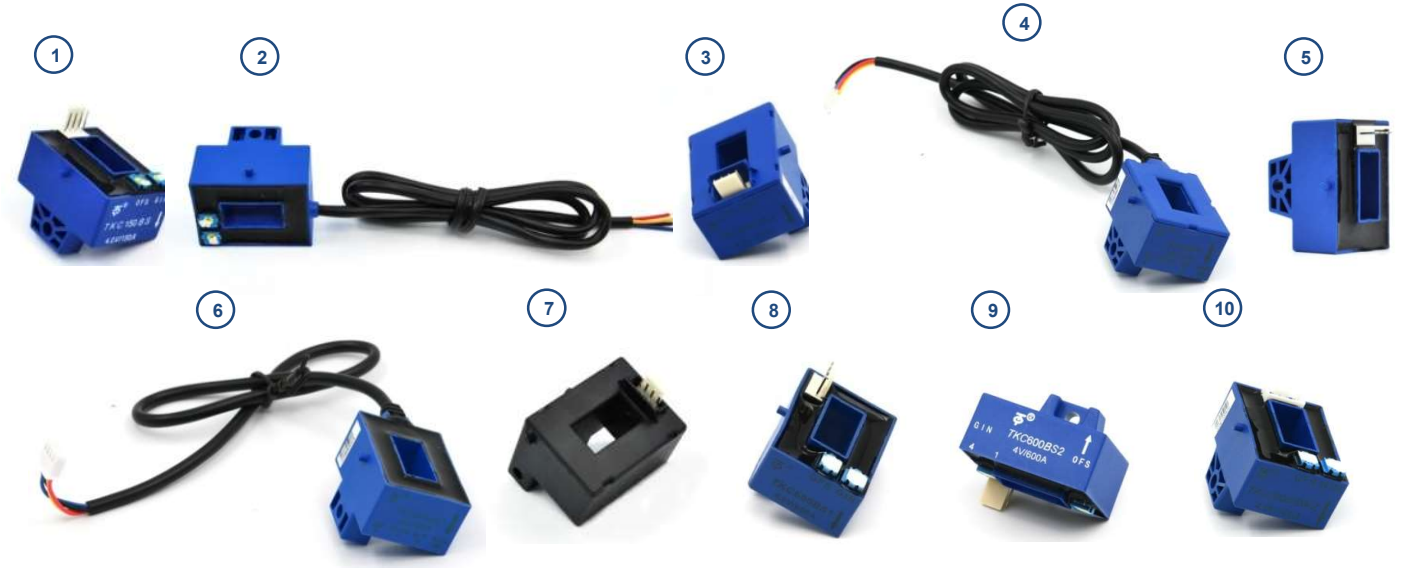
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编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
1	TKC-BS	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
2	TKC-BR	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
3	TKC-BAS	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+105	Aperture	20.5×10.5
4	TKC-BAR	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+105	Aperture	20.5×10.5
5	TKC-BXS	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+105	Aperture	20.5×10.5
6	TKC-BXR	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+105	Aperture	20.5×10.5
7	TKC-BSN	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+105	Aperture	20.5×10.5
8	TKC-BS1	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
9	TKC-BS2	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
10	TKC-BSW	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
11	TKC-BSW1	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
12	TKC-BP1	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
13	TKC-BP2	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
14	TKC-BS2A4	O/L	±15	50...600	150...900	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
15	TKC-BS2A	O/L	±15	50...600	100...900	±5V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
16	TKC-NA1540	O/L	+15	40...200	600...900	±40MV	1	DC-25(-3dB)	-40...+85	Aperture	20×15
17	TKC-N	O/L	±15	100...600	300...1000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×15.5
18	TKC-NR	O/L	±15	100...600	300...1000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×15.5
19	TKC-F	O/L	±15	100...2000	200...3000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	41×12
20	TKC-FR	O/L	±15	100...2000	200...3000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	41×12

11



12



13



14 15



16



17



18



19



20



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
21	TKC-F51	O/L	±15	100...2000	200...3000	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	41×12
22	TKC-FA	O/L	±15	100...2000	200...3000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	40×20
23	TKC-HAT	O/L	±15	200...1500	600...3000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	40.5×30.5
24	TKC-HAX	O/L	±15	500...5000	1500...10000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	64×21
25	TKC-HAX128	O/L	+12	500...2500	750...3750	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture	64×21
26	TKC-HAX248	O/L	+24	500...2500	750...3750	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture	64×21
27	TKC-HB	O/L	±15	1000...20000	2000...30000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	140×50
28	TKC-E	O/L	±15	50...500	150...1000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	Ø20.5
29	TKC-EA	O/L	±15	200...2000	400...3000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	Ø40.5



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
30	TKC-LB	O/L	±15	50...300	150...450	±4V	1	DC-25(-3dB)	-40...+85	Aperture	Ø 16
31	TKC-PZ	O/L	±15	50...800	150...1000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	20×10
32	TKC-PT3	O/L	±15	50...200	150...600	±4V	1.5	DC-25(-3dB)	-40...+85	Aperture	12×10
33	TKC-TG3	O/L	±15	50...200	150...600	±4V	1.5	DC-25(-3dB)	-40...+85	Aperture	12×9.5
34	TKC-GT	O/L	±15	500...5000	1000...10000	±4V	2	DC-25(-3dB)	-40...+85	Aperture	104×34
35	TKC-GT1540	O/L	+15	750	4800	40MV	2	DC-25(-3dB)	-40...+85	Aperture	104×34
36	TKC-GTS1540	O/L	+15	250/470	2200/2700	40MV	2	DC-25(-3dB)	-40...+85	Aperture	40×20
37	TKC-BSF5	O/L	+5	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
38	TKC-BSF565	O/L	+5	50...600	150...900	2.5±0.625V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
39	TKC-BSF52	O/L	+5	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5

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编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
40	TKC-BRF5	O/L	+5	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
41	TKC-BRF565	O/L	+5	50...600	150...900	2.5±0.625V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
42	TKC-BRF52	O/L	+5	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
43	TKC-BSFR5	O/L	+5	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
44	TKC-BSFR565	O/L	+5	50...600	150...900	2.5±0.625V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
45	TKC-BSFR52	O/L	+5	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
46	TKC-BRFR5	O/L	+5	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
47	TKC-BRFR565	O/L	+5	50...600	150...900	2.5±0.625V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
48	TKC-BRFR52	O/L	+5	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
49	TKC-BSF12	O/L	+12	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
50	TKC-BSF122	O/L	+12	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
51	TKC-BRF12	O/L	+12	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
52	TKC-BRF122	O/L	+12	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
53	TKC-BSFR12	O/L	+12	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
54	TKC-BSFR122	O/L	+12	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
55	TKC-BRFR12	O/L	+12	50...600	100...900	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5
56	TKC-BRFR122	O/L	+12	50...600	55...660	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	20.5×10.5

49 50 53 54



51 52 55 56



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
57	TKC-EKA	O/L	±15	50...500	100...1000	±4V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
58	TKC-EKA51	O/L	+5	30...500	60...1000	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
59	TKC-EKA52	O/L	+5	50...500	55...550	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
60	TKC-EKA565	O/L	+5	50...500	150...1000	2.5±0.625V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
61	TKC-EKA242	O/L	+24	50...500	55...550	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
62	TKC-EKA420/12	O/L	+12	50...500	100...1000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
63	TKC-EKA420/24	O/L	+24	50...500	100...1000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
64	TKC-EKAA128	O/L	+12	20...500	25...600	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
65	TKC-EKAA248	O/L	+24	20...500	25...600	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
66	TKC-EKAA1210	O/L	+12	50...500	100...1000	10±10mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
67	TKC-EKAA2410	O/L	+24	50...500	100...1000	10±10mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø21
68	TKC-EKB	O/L	±15	200...2000	400...4000	±4V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
69	TKC-EKB51	O/L	+5	100...2000	200...3000	2.5±1V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
70	TKC-EKB52	O/L	+5	100...2000	110...2200	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
71	TKC-EKB420/12	O/L	+12	100...2000	200...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
72	TKC-EKB420/24	O/L	+24	100...2000	200...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
73	TKC-EKB128	O/L	+12	100...2000	150...3000	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
74	TKC-EKB248	O/L	+24	100...2000	150...3000	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	Ø40.5
75	TKC-K	O/L	±15	400...3000	800...4500	±4V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	64×16
76	TKC-H	O/L	±15	600...3000	1200...4500	±4V	1	DC-25(-3dB)	-40...+85	Aperture Detachable	85×27
77	TKC-KA420/12V	O/L	+12	400...2000	800...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	64×16
78	TKC-KA420/24V	O/L	+24	400...2000	800...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	64×16
79	TKC-KAA128	O/L	+12	80...2000	160...3000	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	64×16
80	TKC-KAA248	O/L	+24	80...2000	160...3000	12±8mA	1	DC-25(-3dB)	-40...+85	Aperture Detachable	64×16

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77 78 79 80



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
81	TKC-LSR508-1	O/L	+5	6...60	15...150	2.5V±0.8V	1	DC-20(-3dB)	-40...+105	PCB	
82	TKC-DT51	O/L	+5	25...75	50...150	1/2VCC±1V	1	DC-25(-3dB)	-40...+85	Aperture	Ø 8.5
83	TKC-DT52	O/L	5	15...100	16.5...110	1/2VCC±1V	1	DC-25(-3dB)	-40...+85	Aperture	Ø 8.5
84	TKC-HC5F	O/L	+5	100...1000	110...1100	1/2VCC±2V	1	DC-20(-3dB)	-40...+125	Aperture	Ø13
85	TKC-TF512	O/L	+5	50...800	75...1200	1/2VCC ±1.25V	1	DC-20(-3dB)	-40...+105	Aperture	Ø22
86	TKC-BHS52	O/L	+5	50...1200	55...1320	1/2VCC±2V	1	DC-20(-3dB)	-40...+105	Aperture	20.5×6.5
87	TKC-ASA52	O/L	+5	100...1000	110...1100	1/2VCC±2V	1	DC-20(-3dB)	-40...+125	Aperture	22×6



(高精度开环系列) Open-loop high accuracy series hall effect current sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
88	TKC-LTH	O/L	±15	10...500	30...1000	±4V	0.2	DC-25(-3dB)	-40...+85	Aperture	Ø 20.2
89	TKC-DHC	O/L	±15	100...1000	300...1500	±4V	0.5	DC-50(-3dB)	-40...+85	Aperture	Ø32
90	TKC-DHR420	O/L	+24	100...1000	300...1500	4~20mA	0.5	DC-50(-3dB)	-40...+85	Aperture	Ø32

(开关型) Switch-type hall effect current sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
91	TKC-BRK12	O/L	+12	10...500	(10-500)±10%	Vc-0.5	10%	DC-25(-3dB)	-40...+85	Aperture	20.5X10.5



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 °C/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
92	TBC-RC512	C/L	+5	0.5...3	0.8...4.8	2.5±1.2V	2	DC-100(-3dB)	-40...+85	PCB	
93	TBC-A02	C/L	±15	0.5...20	1.5...60	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
94	TBC-A05	C/L	±15	25/35	50/70	±25mA ±35mA	0.5	DC-100(-3dB)	-40...+85	PCB	
95	TBC25C04 TBC50C04	C/L	±15	25/50	55/100	±25mA ±50mA	0.5	DC-100(-3dB)	-40...+85	PCB	
96	TBC25C104 TBC50C204	C/L	±15	25/50	55/90	±12.5mA ±25mA	0.5	DC-100(-3dB)	-40...+85	PCB	
97	TBC-CQ1	C/L	±15	15...75	45...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
98	TBC-DT	C/L	±15	15...50	30...100	±12.5mA ±25mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
99	TBC-DT3.3	C/L	+3.3	06...50	12...100	1.65±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
100	TBC-DT52	C/L	+5	06...50	6.6...55	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
101	TBC-DT565	C/L	+5	06...50	18...120	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5

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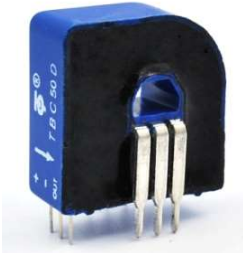


编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
102	TBC-DHT	C/L	±15	15...50	30...100	±12.5mA ±25mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
103	TBC-DHT3.3	C/L	+3.3	06...50	12...100	1.65±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
104	TBC-DHT52	C/L	+5	06...50	6.6...55	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
105	TBC-D	C/L	±15	25/50	50/100	±25mA	0.5	DC-100(-3dB)	-40...+85	PCB	
106	TBC-DS3.3	C/L	+3.3	06...50	12...100	1.65± 0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
107	TBC-DS5	C/L	+5	06...50	18...150	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
108	TBC-DSR5	C/L	+5	06...50	18...150	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
109	TBC-DSR3.3	C/L	+3.3	06...50	18...150	1.65±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	

102 103 104



105 106 107



108 109



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
110	TBC-DHS5	C/L	+5	06...50	18...150	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
111	TBC-DHS52	C/L	+5	06...50	6.6...55	2.5±2V	0.5	DC-100(-3dB)	-40...+105	PCB	
112	TBC-DHS3.3	C/L	+3.3	06...50	12...100	1.65± 0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
113	TBC-DHSR3.3	C/L	+3.3	06...50	12...100	1.65±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
114	TBC-DHSR52	C/L	+5	06...50	6.6...55	2.5±2V	0.5	DC-100(-3dB)	-40...+105	PCB	
115	TBC-DHSR5	C/L	+5	06...50	18...150	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
116	TBC-LXH	C/L	±15	05...75	15...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
117	TBC-LXA	C/L	±15	05...50	15...125	±20mA	0.5	DC-100(-3dB)	-40...+85	PCB	
118	TBC-P	C/L	±15	03...30	09...90	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	

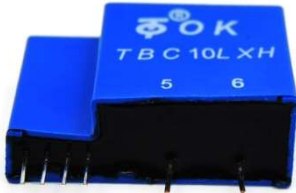
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113 114 115



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118



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
119	TBC-PH	C/L	±15	03...30	09...90	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
120	TBC-PS3.3	C/L	+3.3	05...30	10...60	1.65±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
121	TBC-PHS3.3	C/L	+3.3	05...30	10...60	1.65± 0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
122	TBC-PS3.3T	C/L	+3.3	05...30	5.5...33	1.65±1.25V	0.5	DC-100(-3dB)	-40...+105	PCB	
123	TBC-PHS3.3T	C/L	+3.3	05...30	5.5...33	1.65±1.25V	0.5	DC-100(-3dB)	-40...+105	PCB	
124	TBC-PS5	C/L	+5	05...30	15...90	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
125	TBC-PHS5	C/L	+5	05...30	15...90	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
126	TBC-PXH	C/L	±15	03...50	09...125	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
127	TBC-PX5	C/L	+5	03...50	06...100	2.5±1V	0.5	DC-100(-3dB)	-40...+105	PCB	
128	TBC-XD	C/L	±15	03...50	09...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	

119 121 123 125



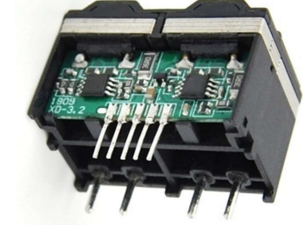
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126 127



128



编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
129	TBC-XN	C/L	±15	03...100	09...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
130	TBC-XNP	C/L	±15	50...100	150...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
131	TBC-SYH	C/L	±15	03...50	09...150	±4V	0.5	DC-100(-3dB)	-40...+85	PCB	
132	TBC-SYHA	C/L	±15	05...50	10...150	±20mA	0.5	DC-100(-3dB)	-40...+85	PCB	
133	TBC-SYH52	C/L	+5	03...50	3.3...55	2.5±2V	0.5	DC-100(-3dB)	-40...+105	PCB	
134	TBC-SYH565	C/L	+5	03...50	09...150	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
135	TBC-HXS5	C/L	+5	10...50	30...100	2.5±0.625V	0.5	DC-100(-3dB)	-40...+105	PCB	
136	TBC-HXS51	C/L	+5	10...50	20...100	2.5±1V	0.5	DC-100(-3dB)	-40...+105	PCB	
137	TBC-HXS52	C/L	+5	10...50	11...55	2.5±2V	0.5	DC-100(-3dB)	-40...+105	PCB	
138	TBC-LAH	C/L	±12 ... 15	25...100	75...280	±25mA ±50mA	0.5	DC-100(-3dB)	-40...+85	PCB	

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编号 No.	产品系列 Product series	应用 原理 Technology	电源 电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 °C/%	频率F kHz	工作 温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
139	TBC-LAS5	C/L	+5	50...100	160...250	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	PCB	
140	TBC-LSR508	C/L	+5	06...50	15...125	2.5±0.8V	0.5	DC-100(-3dB)	-40...+105	PCB	
141	TBC-LSR335	C/L	+3.3	06...50	15...125	1.65±0.5V	1	DC-100(-3dB)	-40...+105	PCB	
142	TBC-AP	C/L	±12... 18	50...200	150...600	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
143	TBC-AP2	C/L	±12 ... 18	50...125	50...200	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
144	TBC-APF	C/L	±12... 18	100...200	300...600	±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.5×10.5
145	TBC-TP	C/L	±12 ... 18	50...200	150...600	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	PCB	
146	TBC-TPF	C/L	±12... 18	50...200	150...600	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	PCB	
147	TBC-APT	C/L	±12 ... 18	100...230	300...600	±50mA ±100mA ±115mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø12.6
148	TBC-APS51	C/L	+5	50...200	50...400	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5

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142 144 148



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145 146



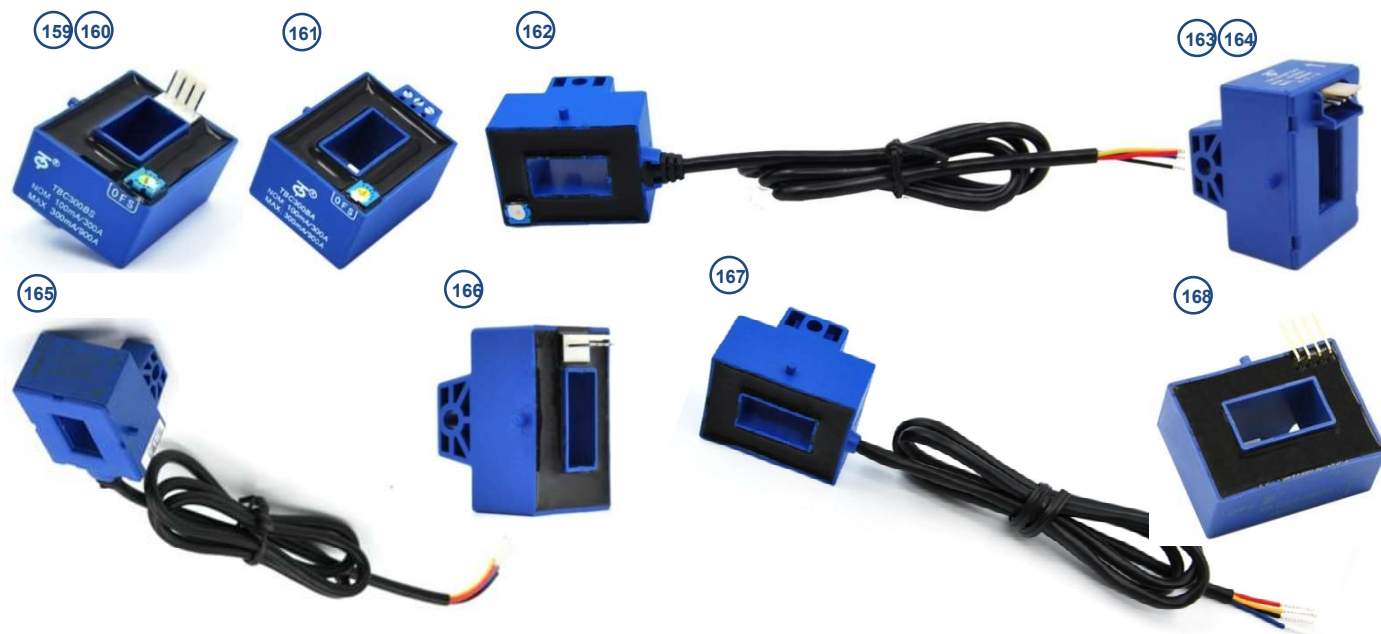
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编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 °C/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
149	TBC-APS565	C/L	+5	50...150	150...450	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
150	TBC-APS52	C/L	+5	50...150	55...165	2.5±2V	0.5	DC-100(-3dB)	-40...+85	PCB	16.2×10.5
151	TBC-APSR51	C/L	+5	50...150	50...300	2.5±1V	0.5	DC-100(-3dB)	-40...+85	PCB	16.2×10.5
152	TBC-APSR565	C/L	+5	50...150	150...450	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
153	TBC-APSR52	C/L	+5	50...150	55...165	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
154	TBC-LP	C/L	±12... 18	100...200	300...600	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
155	TBC-LP2	C/L	±12... 18	50...125	150...200	±50mA ±100mA ±125mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	16.2×10.5
156	TBC-LPT	C/L	±12... 18	125...200	500...600	±62.5mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	15×10.5
157	TBC-LPT-1	C/L	±12... 18	125...200	500...600	±62.5mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	15×10.5
158	TBC400BST	C/L	±12... 18	400	900	±133.3mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5

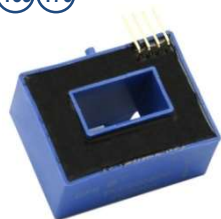


编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
159	TBC-BS	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
160	TBC-BSW	C/L	±12... 18	50...300	150...600	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
161	TBC-BA	C/L	±12... 18	50...200	50...400	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
162	TBC-BR	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
163	TBC-BTS	C/L	±12... 18	50...300	150...600	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
164	TBC-BTS4V	C/L	±12... 18	50...300	150...900	±4V	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
165	TBC-BTR	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
166	TBC-BXS	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
167	TBC-BXR	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
168	TBC-BP	C/L	±12... 18	50...300	150...900	±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5



编号 No.	产品系列 Product series	应用 原理 Technology	电源 电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 °C/%	频率F kHz	工作 温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
169	TBC-BPR51	C/L	+5	50...200	100...360	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
170	TBC-BPR565	C/L	+5	50...200	150...360	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture	20.5×10.5
171	TBC-F	C/L	±15... 24	200...500	600...1500	±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	41×12
172	TBC-FR	C/L	±15... 24	200...500	600...1500	±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	41×12
173	TBC-E	C/L	±15	50...300	120...500	±4V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.5
174	TBC-EMA	C/L	±12... 18	50...300	150...900	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.5
175	TBC-ECH	C/L	±12... 18	25...100	75...300	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
176	TBC-EC	C/L	±12... 18	25...100	75...300	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
177	TBC-EH	C/L	±12... 18	25...200	75...600	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 10.5
178	TBC-EHC	C/L	±12... 18	25...200	75...600	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 10.5

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编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 °C/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
179	TBC-EHD8	C/L	±8	25	50	±25mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 10.5
180	TBC-ES5	C/L	+5	10...100	20...200	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
181	TBC-ECS5	C/L	+5	10...100	20...200	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
182	TBC-ECS52	C/L	+5	20...200	22...220	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
183	TBC-ECS565	C/L	+5	10...100	30...300	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
184	TBC-ES52	C/L	+5	10...100	11...110	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
185	TBC-ES565	C/L	+5	10...100	30...300	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 8.5
186	TBC-ECS5R	C/L	+5	10...100	20...200	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 8.5
187	TBC-EP3	C/L	±12... 18	25...200	75...600	±25mA ±50mA ±100mA	0.5	DC-100(-3dB)	-40...+85	Aperture PCB	Ø 10.5
188	TBC-U	C/L	±12... 18	100...400	300...900	±100mA ±133.3mA ±150mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20

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编号 No.	产品系列 Product series	应用原理 Technology	电源电压 V _c (V)	额定电流 I _{pn} (A)	峰值电流 I _p (A)	额定输出 V _{out} /I _{out} @I _{pn}	精度 X@I _{pn} T _A =25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
189	TBC-TAH	C/L	±12... 18	50...300	150...900	±50mA ±100mA ±150mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
190	TBC-TAS51	C/L	+5	10...200	20...400	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
191	TBC-TAS5	C/L	+5	10...200	20...400	2.5±1V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
192	TBC-TAS52	C/L	+5	0.5...100	0.55...110	2.5±2V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
193	TBC-TAS565	C/L	+5	10...150	32...450	2.5±0.625V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
194	TBC-LT TBC-LR	C/L	±12... 18	50...300	150...700	±50mA ±100mA ±150mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
195	TBC-LTA5V-1	C/L	±15	50...400	75...580	±5V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
196	TBC-LTAR5V	C/L	±15	50...400	75...580	±5V	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
197	TBC-LTA1 TBC-LTA2	C/L	±12... 18	50...300	150...900	±50mA ±100mA ±150mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
198	TBC-SP	C/L	±15... 24	1000	1500	±200mA	0.5	DC-100(-3dB)	-40...+85	Aperture	Ø 40



(高精度闭环系列) Closed-loop high accuracy series hall effect current sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature 温度	安装方式 Connection	安装尺寸 Dimensions (MM)
199	TBC-LTHA1 TBC-LTHA2	C/L	±12... 18	50...300	150...900	±50mA ±100mA ±150mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 20.2
200	TBC-LTHC	C/L	±12... 18	300	900	±150mA	0.1	DC-100(-3dB)	-40...+85	Aperture	Ø 25
201	TBC-LTHB03	C/L	±15... 18	500	1500	±100mA	0.1	DC-100(-3dB)	-40...+85	Aperture	Ø 25.5
202	TBC-LTHB1 TBC-LTHB2	C/L	±12... 24	300...500	900...1500	±100mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 35
203	TBC-TBH	C/L	±15... 24	300...500	900...1500	±100mA	0.1	DC-100(-3dB)	-40...+85	Aperture	Ø 35
204	TBC-SH	C/L	±15... 24	500...1000	1500...2500	±100mA ±200mA	0.1	DC-100(-3dB)	-40...+85	Aperture	Ø 40.5
205	TBC1000LFA	C/L	±15... 24	1000	2000	±200mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 38.5
206	TBC1000LFB	C/L	±15... 24	1000	2000	±200mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 38.5
207	TBC2000LFA	C/L	±15... 24	2000	2800	±400mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 60.5
208	TBC2000LFB	C/L	±15... 24	2000	2800	±400mA	0.2	DC-100(-3dB)	-40...+85	Aperture	Ø 60.5

199



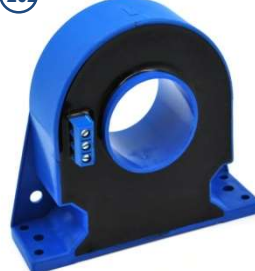
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(电压传感器) Hall effect voltage sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
209	TBV10/20X	C/L	±15	10mA	20mA	±20mA	0.5		-40...+85	PCB	
210	TBV5/25A TBV10/25A	C/L	±15	5mA 10mA	7mA 14mA	±25mA	0.5		-40...+85	PCB	
211	TBV-AV	C/L	±15	50...1000V	100...2000V	±5V	0.5		-40...+85	PCB	
212	TBV-A25	C/L	±15	50...1000V	100...2000V	±25mA	0.5		-40...+85	PCB	
213	TBV05ASR3.3 TBV10ASR3.3	C/L	+3.3	5mA 10mA	10mA 20mA	1.65±0.625V	0.5		-40...+85	PCB	
214	TBV05ASR5 TBV10ASR5	C/L	+5	5mA 10mA	15mA 30mA	2.5±0.625V	0.5		-40...+85	PCB	
215	TBV-ASR12	C/L	+12	50...500V	100...1000V	5±2V	0.5	0.02-10	-40...+85	PCB	
216	TBV-ASR24	C/L	+24	50...500V	100...1000V	5±2V	0.5	0.02-10	-40...+85	PCB	
217	TBV-AS12	C/L	+12	50...500V	100...1000V	5±2V	0.5	0.02-10	-40...+85	PCB	
218	TBV-AS24	C/L	+24	50...500V	100...1000V	5±2V	0.5	0.02-10	-40...+85	PCB	

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213 214 215 216



217 218

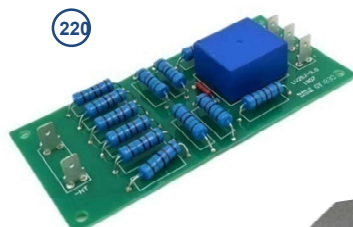


(电压传感器) Hall effect voltage sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
219	TBV-AL25	C/L	±15	300...1000V	600...1500V	±25mA	0.5		-40...+85	PCB	
220	TBV-AJ25	C/L	±15	100...2000V	200...4000V	±25mA	0.5		-40...+85	PCB	
221	TBV10/50LV	C/L	±15 ±24	10mA	20mA	±50mA	0.5		-40...+85	PCB	
222	TBV-LV	C/L	±15 ±24	100...5000V	200...7500V	±50mA	0.5		-40...+85	PCB	
223	TBV-LV5	C/L	±15 ±24	100...6000V	200...9000V	±5V	0.5		-40...+85	PCB	

(电压变送器) Closed-loop series voltage transducer

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
224	TBV-ADA12	C/L	+12	50...500V/AC	100...1000V/AC	4~20mA	1	0.02-10	-40...+85	PCB	
225	TBV-ADA24	C/L	+24	50...500V/AC	100...1000V/AC	4~20mA	1	0.02-10	-40...+85	PCB	
226	TBV-ADA1220	C/L	+12	50...500V/AC	100...1000V/AC	0~20mA	1	0.02-10	-40...+85	PCB	
227	TBV-ADA2420	C/L	+24	50...500V/AC	100...1000V/AC	0~20mA	1	0.02-10	-40...+85	PCB	



(电流变送器) Open-loop series current transducer

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
228	TKC-BSD	O/L	±15	50...600/AC	100...800	5V	1	0.02-20	-40...+85	Aperture	20.5×10.5
229	TKC-BRD	O/L	±15	50...600/AC	100...800	5V	1	0.02-20	-40...+85	Aperture	20.5×10.5
230	TKC-EKAD	O/L	±15	50...500/AC	100...1000	5V	1	0.04-20	-40...+85	Aperture	Ø21
231	TKC-EKADA/12	O/L	12	50...500/AC	100...1000	4~20mA	1	0.02-20	-40...+85	Aperture	Ø21
232	TKC-EKADA/24	O/L	+24	50...500/AC	100...1000	4~20mA	1	0.02-20	-40...+85	Aperture	Ø21
233	TKC-EKBDA/12	O/L	+12	200... 2000/AC	400...3000	4~20mA	1	0.02-20	-40...+85	Aperture	Ø40.5
234	TKC-EKBDA/24	O/L	+24	200...2000/AC	400...3000	4~20mA	1	0.02-20	-40...+85	Aperture	Ø40.5
235	TKC-KD	O/L	±15	200...2000/AC	450...3000	5V	1	DC-25(-3dB)	-40...+85	Aperture	64×16
236	TKC-KDA	O/L	+24	300...2000/AC	600...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture	64×16
237	TKC-KDQT	O/L	+24	300...2000	600...3000	4~20mA	1	DC-25(-3dB)	-40...+85	Aperture	64×16



(电流变送器) Open-loop series current transducer

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
238	TC-LTAD	O/L	24	1.0...100/AC	2.0...200/AC	4~20mA	1	0.02-10	-40...+85	Aperture	Ø 20.2
239	TC-LTAD2420	O/L	24	1.0...100/AC	2.0...200/AC	0~20mA	1	0.02-10	-40...+85	Aperture	Ø 20.2

(直流漏电流) Magnetically modulated series DC leakage current sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25 ℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
240	TDC-E	C/L	±15	10...50mA	15...75mA	±5V	1		-40...+85	Aperture	Ø 21
241	TDC-LTA	C/L	±15	10...10000mA	15... 15000mA	±5V	1		-40...+85	Aperture	Ø 20.2
242	TDC-EA	C/L	±12 ±15	10...50mA	20...100mA	±5V	1		-40...+85	Aperture	Ø40.5
243	TDC-EB	C/L	±12 ±15	10...50mA	15...75mA	±5V	1		-40...+85	Aperture	Ø60.5
244	TDC-LTC	C/L	±15	20...50mA	30...75mA	±5V	1		-40...+85	Aperture	Ø100
245	TDC-LTC200	C/L	±15	20...50mA	30...75mA	±5V	1		-40...+85	Aperture	Ø200



（定制系列） Custom series hall effect current sensor

编号 No.	产品系列 Product series	应用原理 Technology	电源电压 Vc(V)	额定电流 Ipn(A)	峰值电流 Ip(A)	额定输出 Vout/Iout @Ipn	精度 X@Ipn TA=25℃/%	频率F kHz	工作温度 Operating temperature	安装方式 Connection	安装尺寸 Dimensions (MM)
246	TKC-EKAZ	O/L	+12	50...500(DC/AC)	50...500(DC) 75...750(AC)	50...500(DC/AC)	0.2	DC-20(-3dB)	-20...+60	Aperture	Ø21
247	TKC-EKBZ	O/L	+12	100...1000(DC/AC)	100...1000(DC) 150...1500(AC)	100...1000(DC/AC)	0.2	DC-20(-3dB)	-20...+60	Aperture	Ø40.5
248	TKC-CQ1	O/L	+5	15...50	24...60	2.5±1.25V	1.5	DC-100(-3dB)	-40...+85	PCB	
249	TKC-EG51	O/L	+5	50...500	100...1000	2.5±1V	1	DC-20(-3dB)	-40...+85	Aperture	Ø35
250	TBC10000LT	O/L	±48 ±60	10000	15000	±1000mA	0.5	DC-100(-1dB)	-40...+85	Aperture	Ø200
251	TKC-HAK	O/L	±15	1000...5000	1500...8000	±4V	0.5	DC-25(-3dB)	-40...+85	Aperture	134.6×39.8
252	TKC-HBZ	O/L	±15	10000...40000	11000...44000	±10V/±0.06	0.5	DC-25(-3dB)	-40...+85	Aperture	250×50
253	TKC-HBF	O/L	±15	10000...30000	15000...45000	±5V	0.5	DC-25(-3dB)	-40...+85	Aperture	280×110
254	TKC-NSRP52	O/L	+5	50...200	55...220	2.5±2V	1	DC-25(-3dB)	-40...+85	Aperture	12×8
255	TKC-FC	O/L	±15	200-2000	600-4000	±4V	1	DC-25(-3dB)	-40...+85	Aperture	41×14



TOKEN TECHNOLOGY

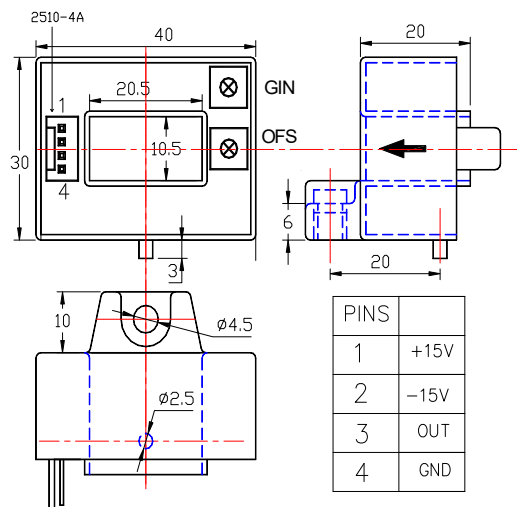
传感器优质供应商

公司始终坚持定位行业高端，保持技术领先，追求卓越品质和客户持续满意的经营理念

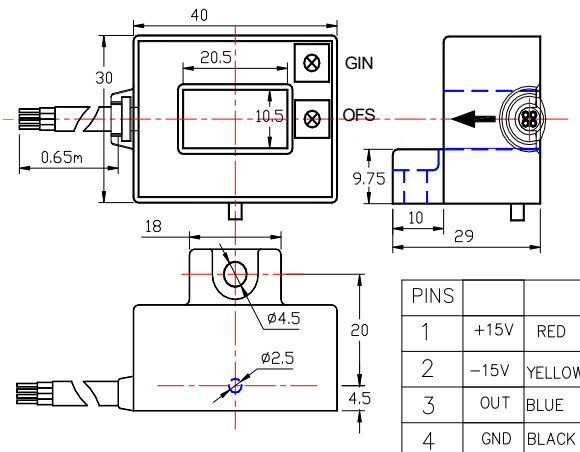


机械安装尺寸

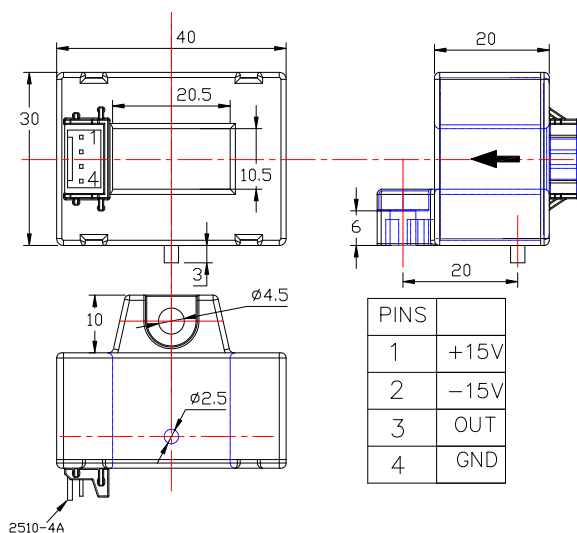
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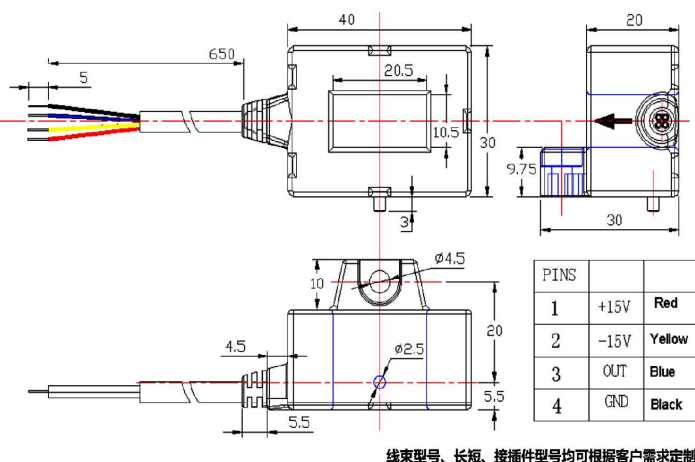
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03 TKC-BAS

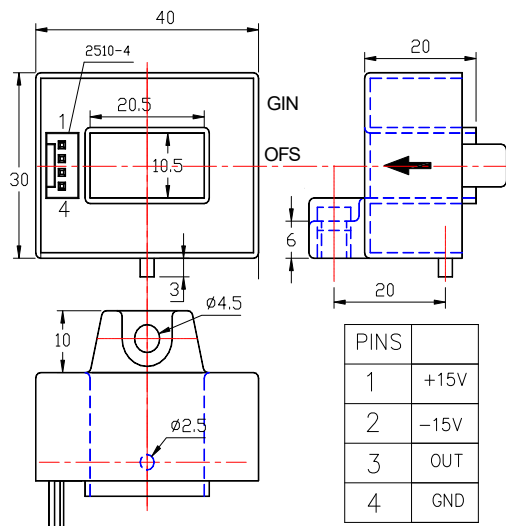


04 TKC-BAR

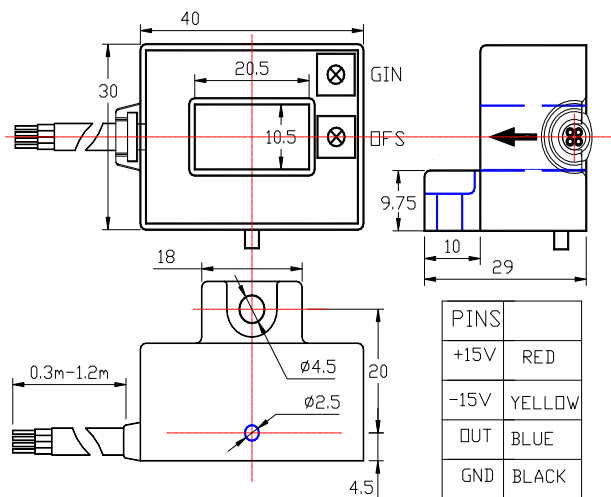


线束型号、长短、接插件型号均可根据客户需求定制

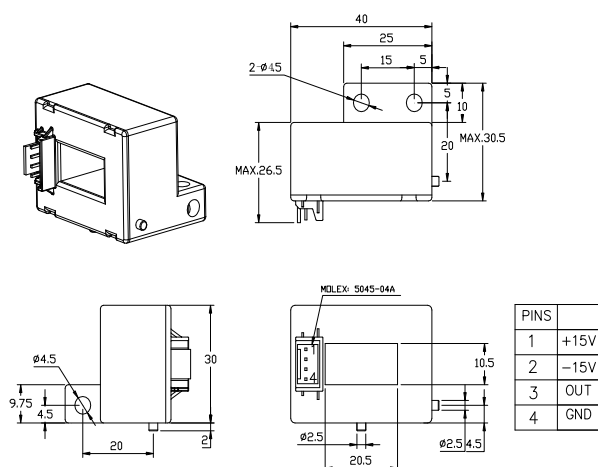
05 TKC-BXS



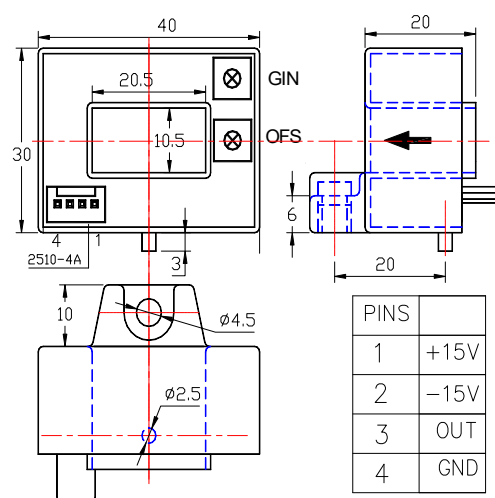
06 TKC-BXR



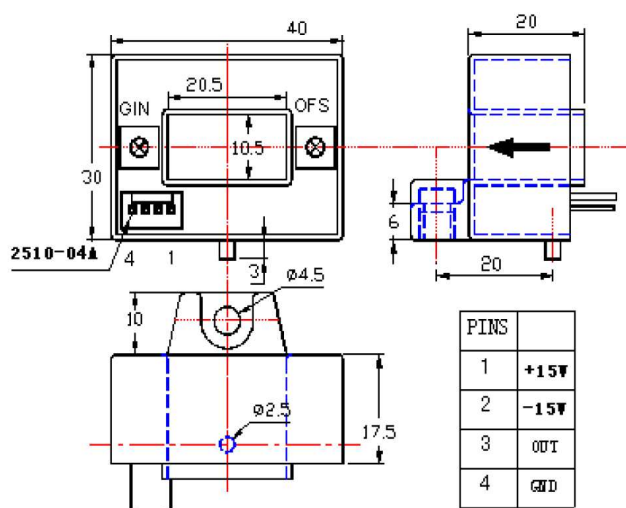
07 TKC-BSN



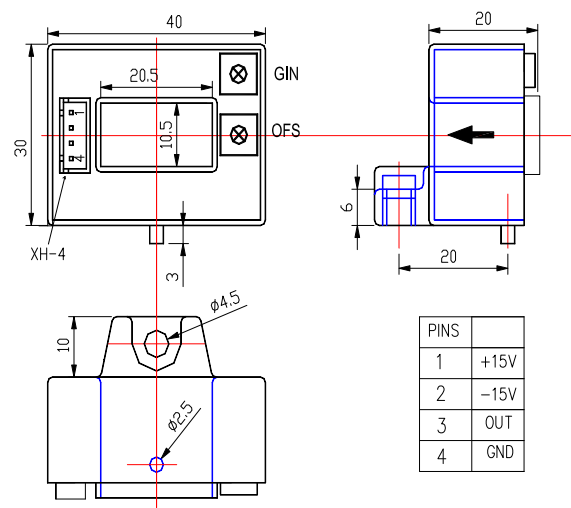
08 TKC-BS1



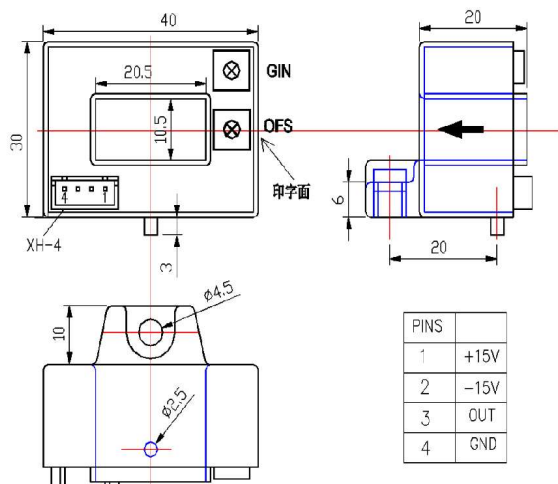
09 TKC-BS2



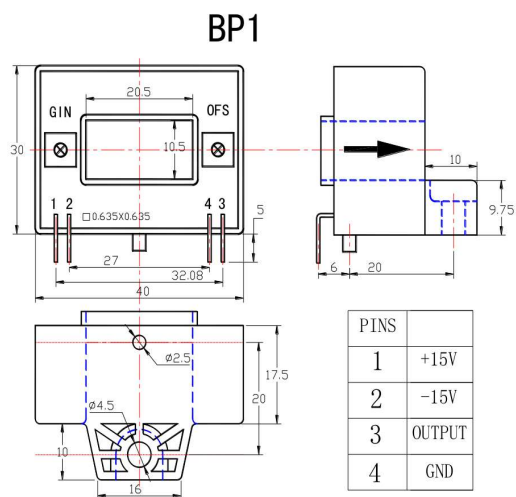
10 TKC-BSW



11 TKC-BSW1

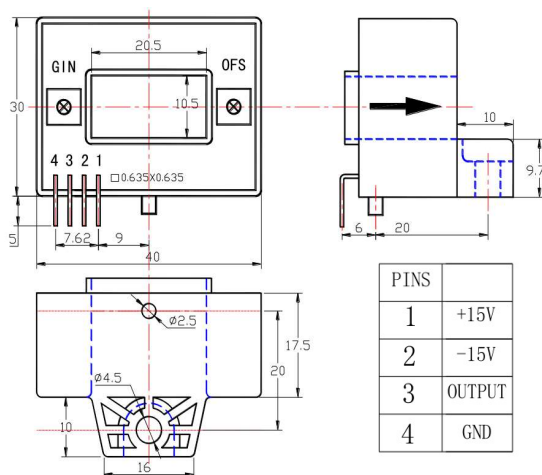


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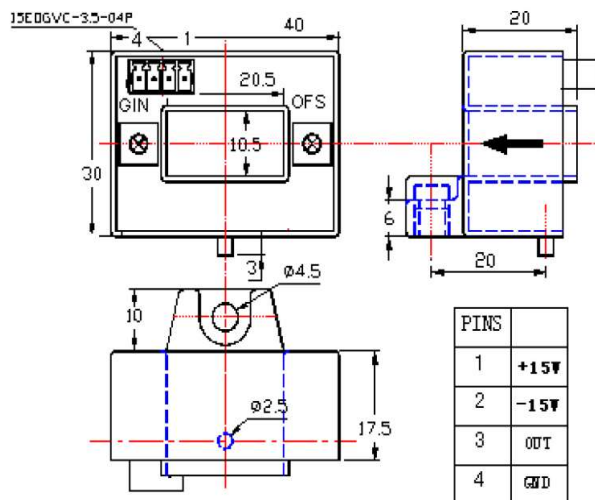


机械安装尺寸

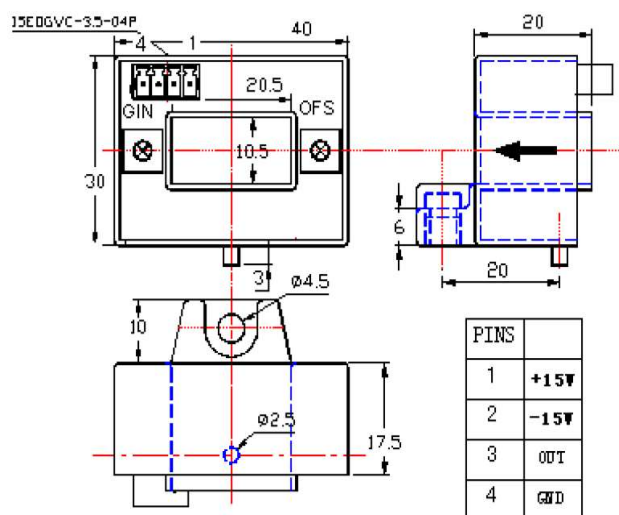
13 TKC-BP2



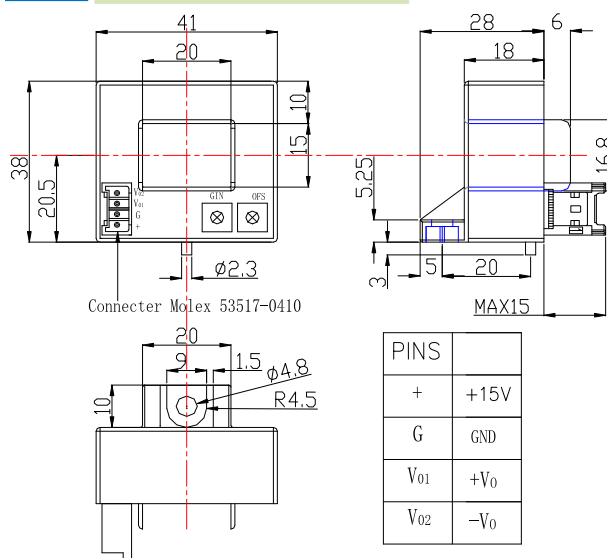
14 TKC-BS2A4



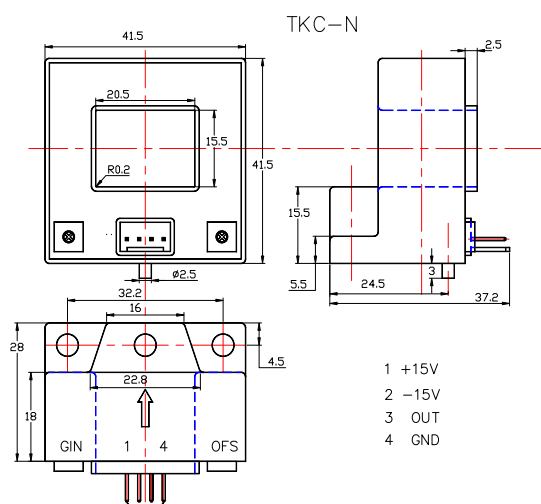
15 TKC-BS2A



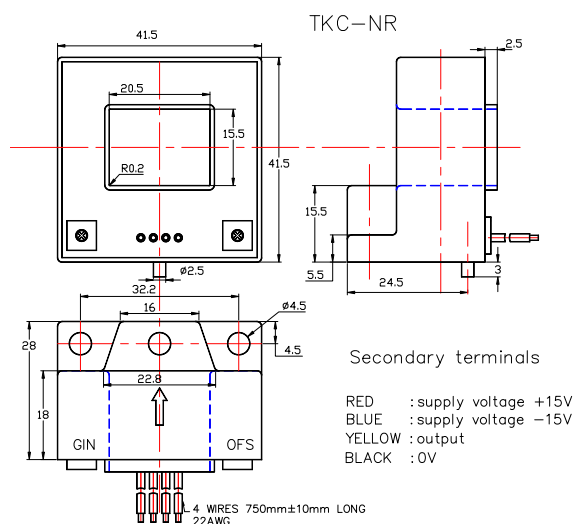
16 TKC-NA1540



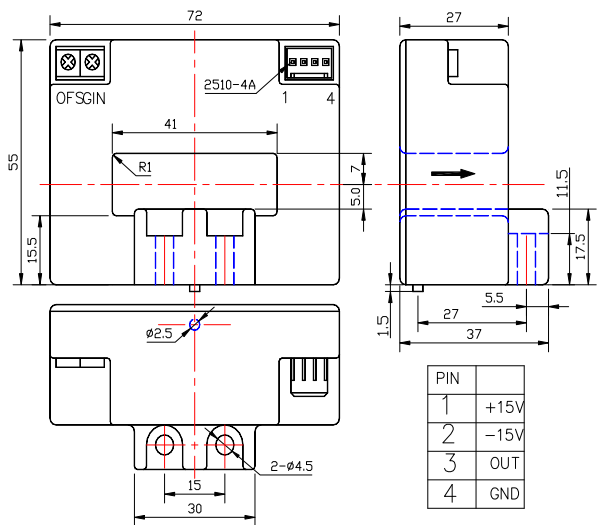
17 TKC-N



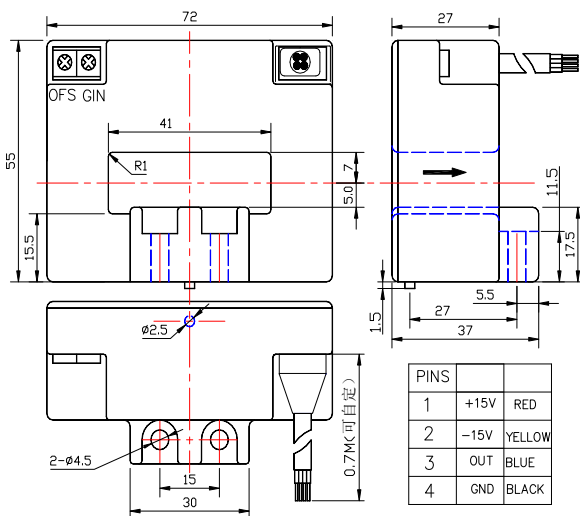
18 TKC-NR



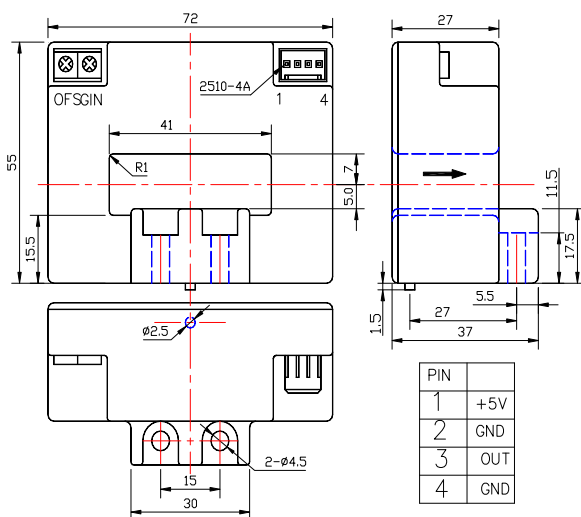
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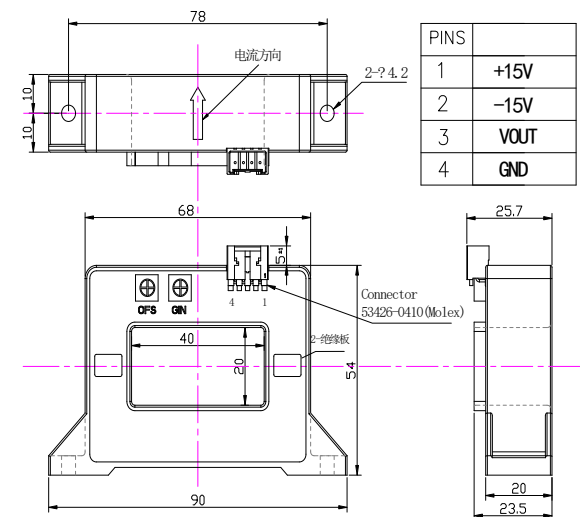
20 TKC-FR



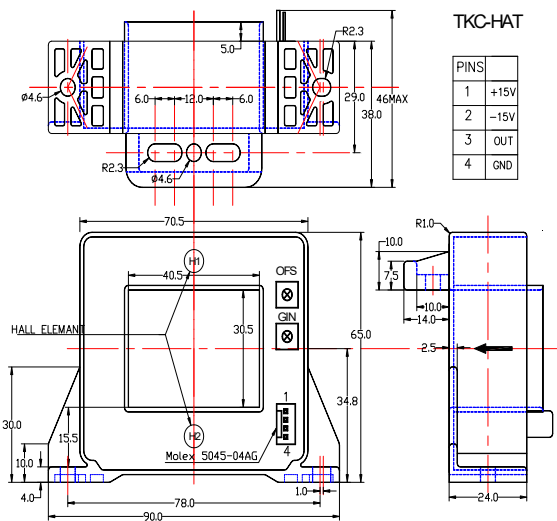
21 TKC-F51



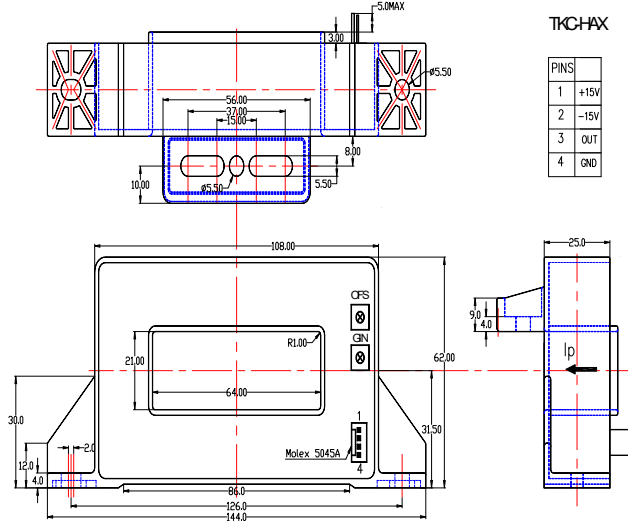
22 TKC-FA



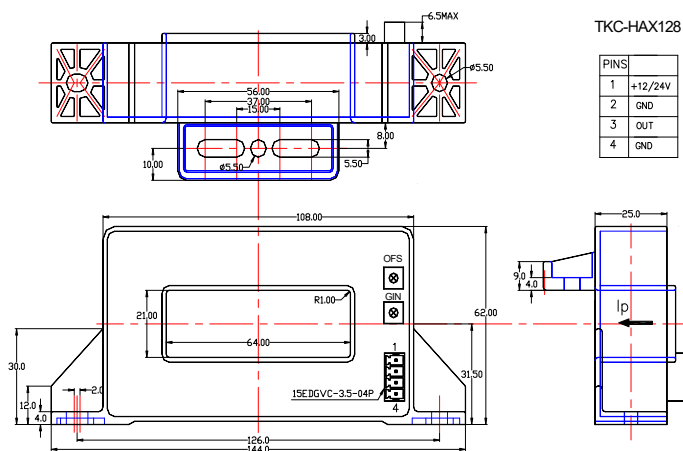
23 TKC-HAT



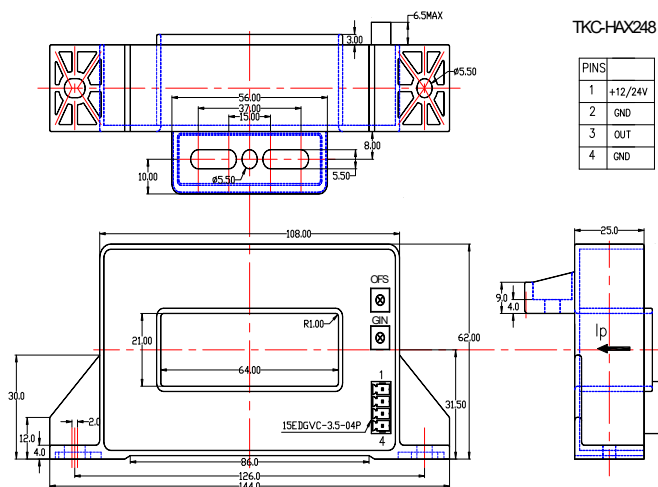
24 TKC-HAX



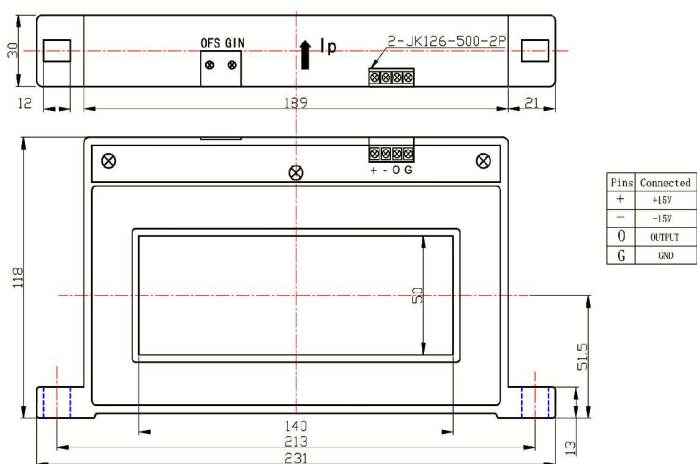
25 TKC-HAX128



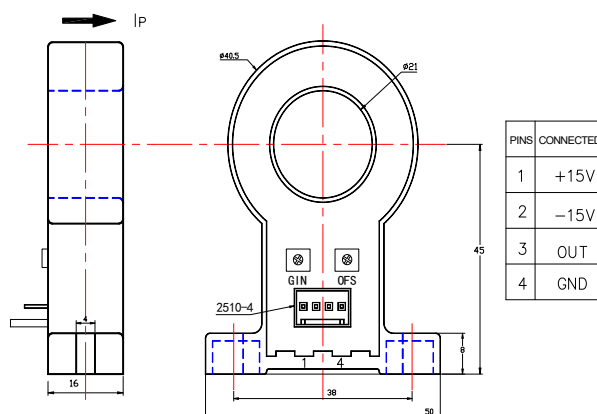
26 TKC-HAX248



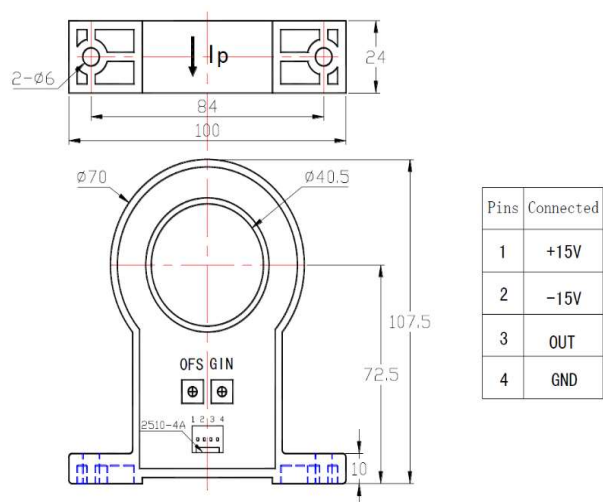
27 TKC-HB



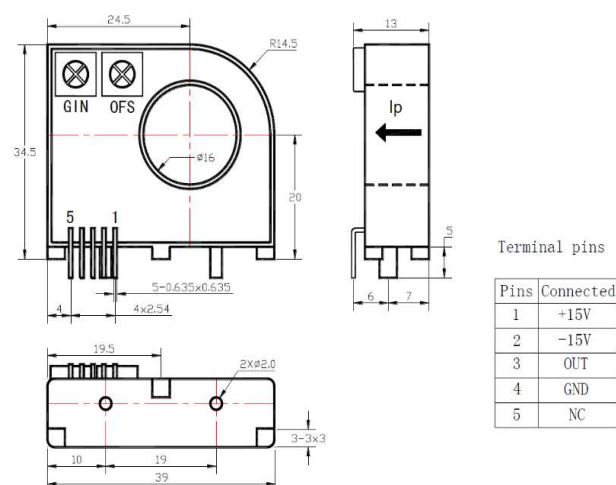
28 TKC-E



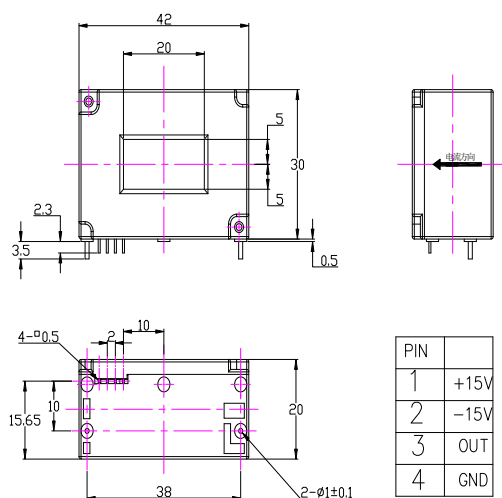
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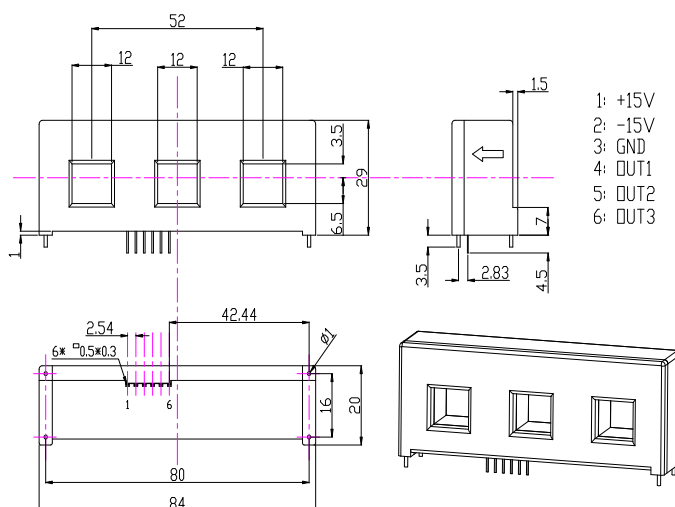
30 TKC-LB



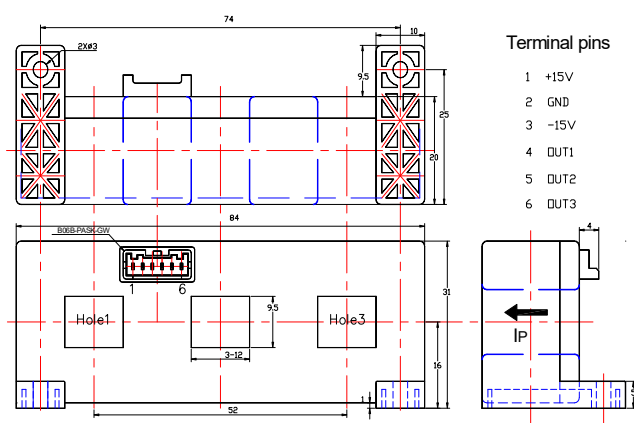
31 TKC-PZ



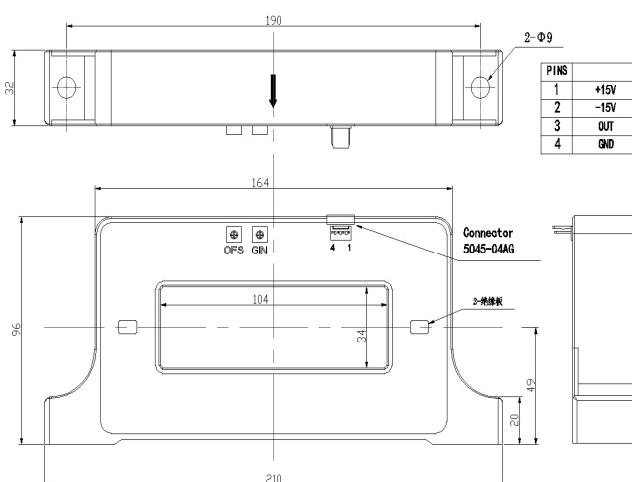
32 TKC-PT3



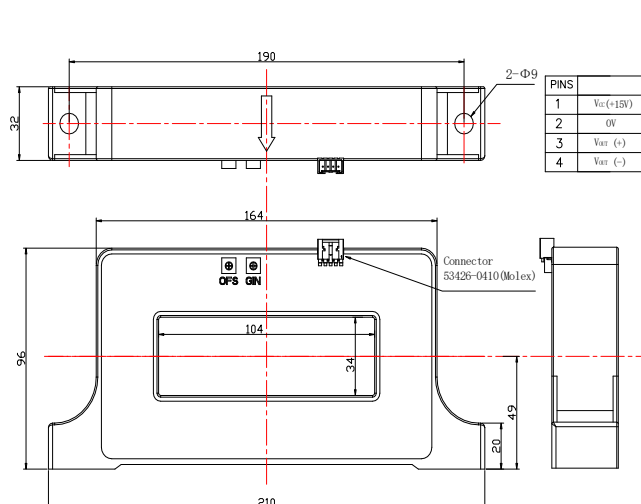
33 TKC-TG3



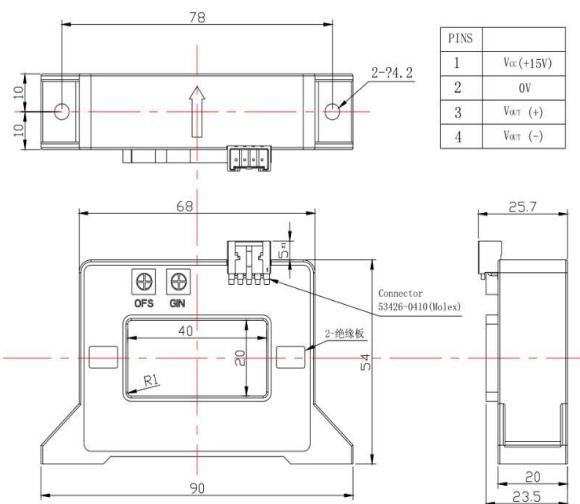
34 TKC-GT



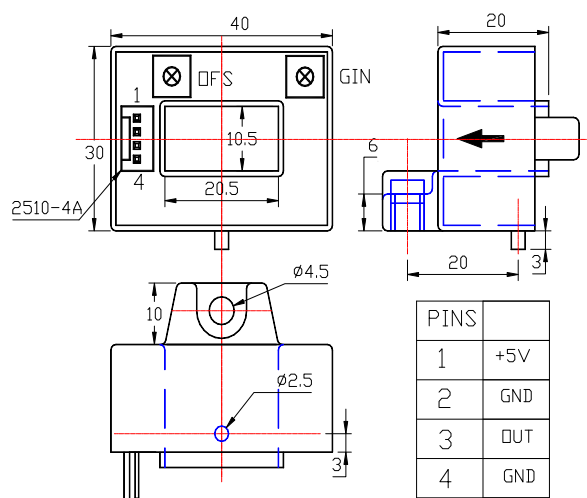
35 TKC-GT1540



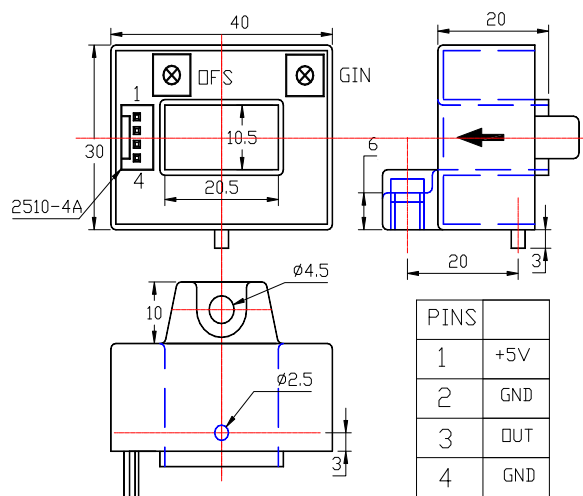
36 TKC-GTS1540



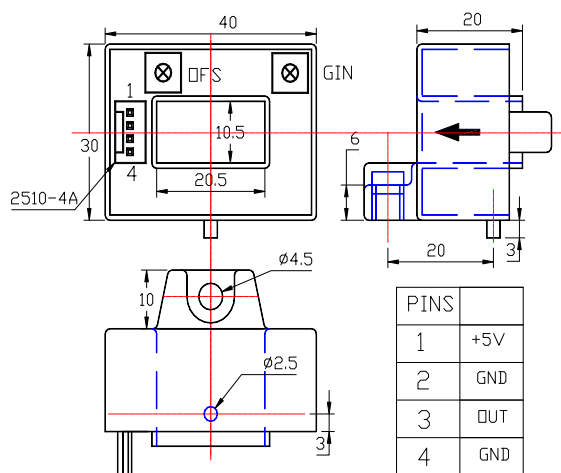
37 TKC-BSF5



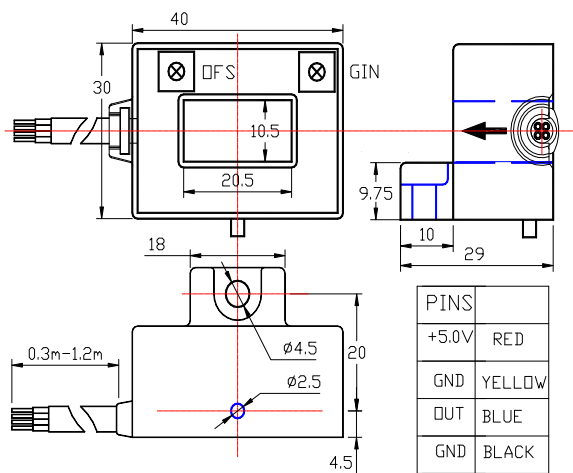
38 TKC-BSF565



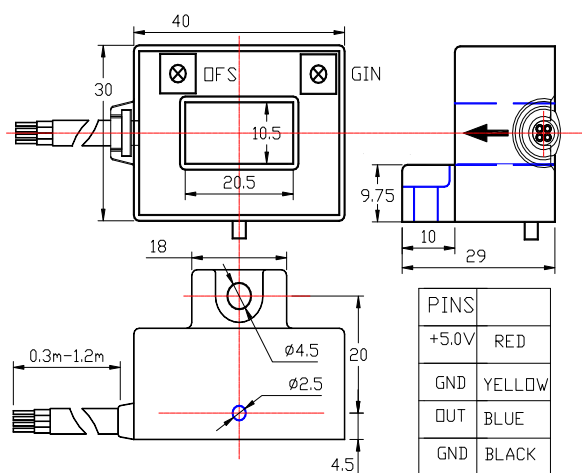
39 TKC-BSF52



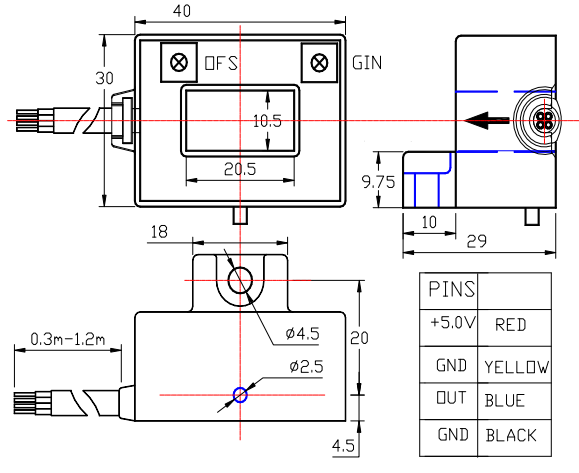
40 TKC-BRF5



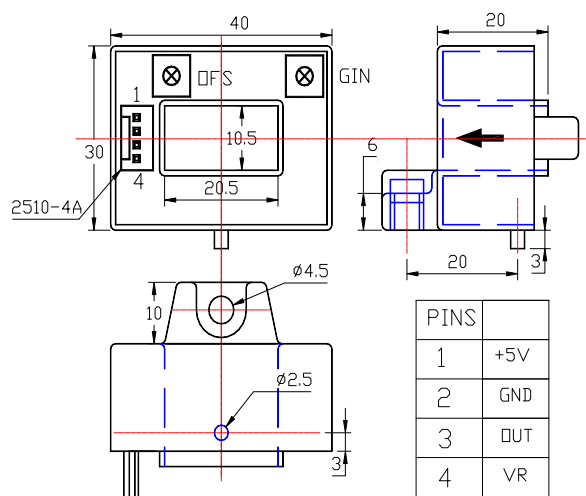
41 TKC-BRF565



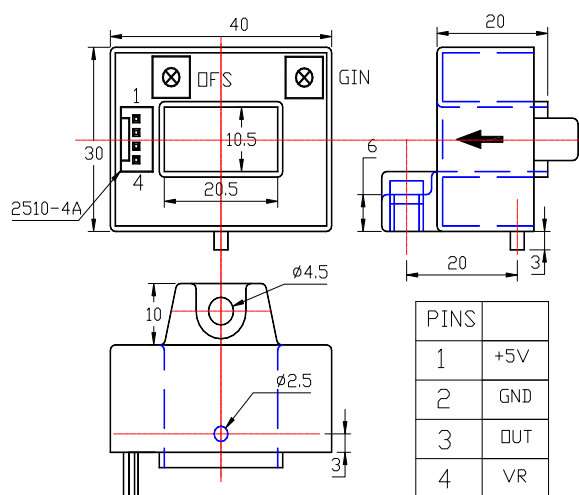
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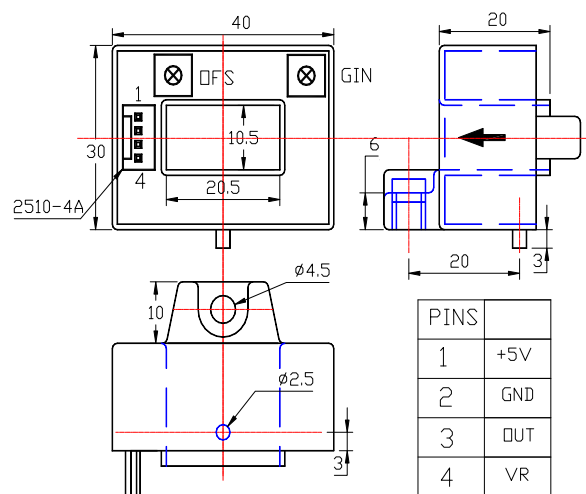
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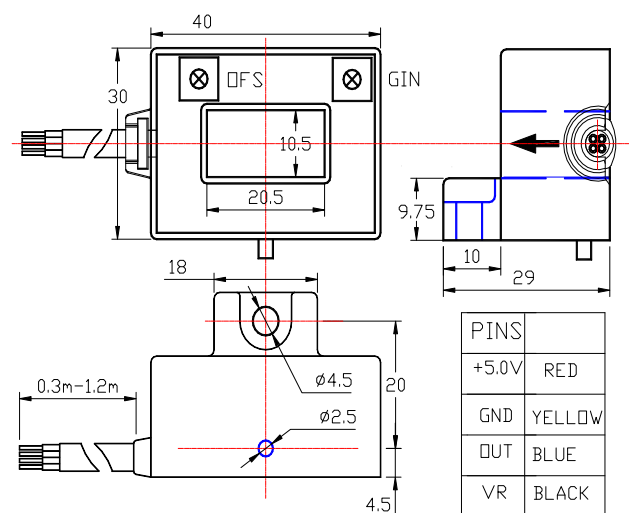
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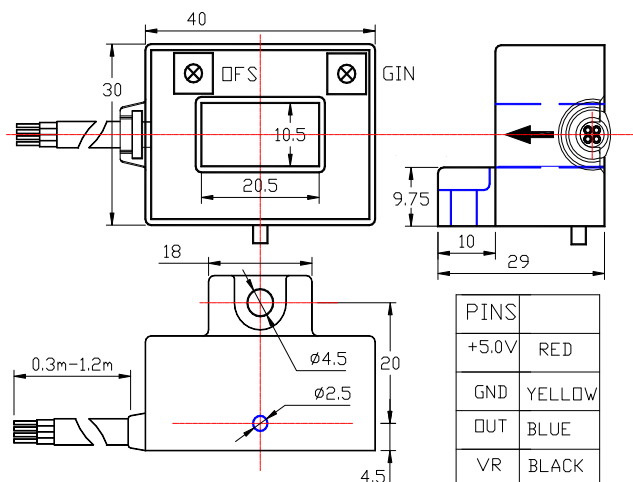
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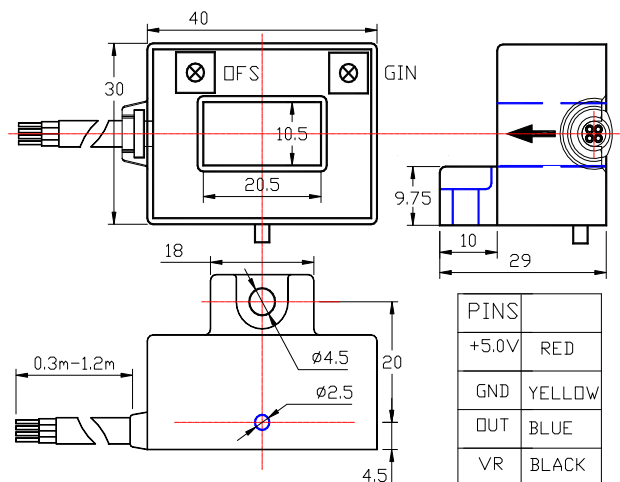
46 TKC-BRFR5



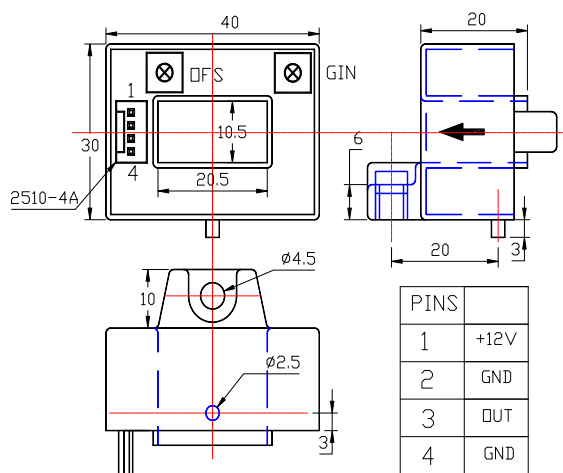
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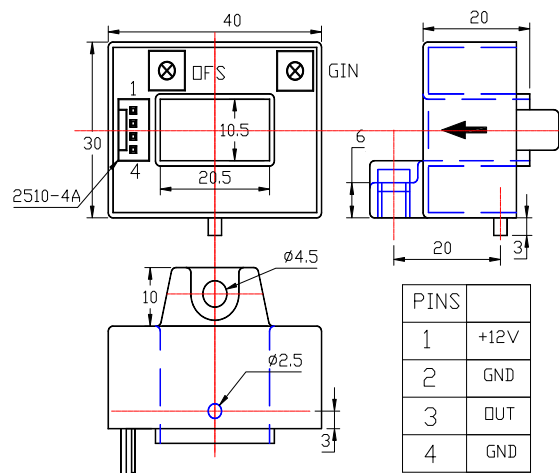
48 TKC-BRFR52



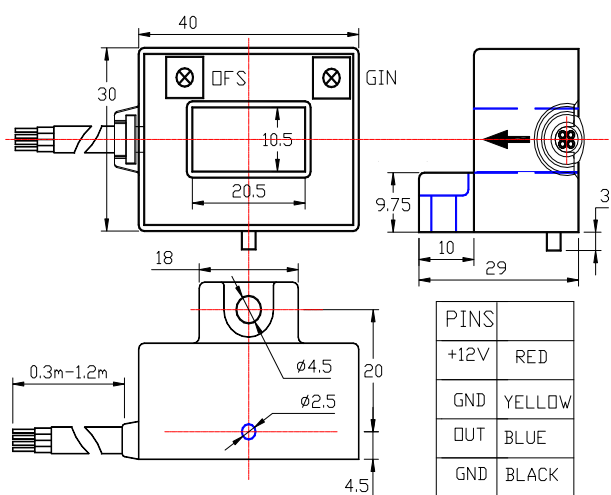
49 TKC-BSF12



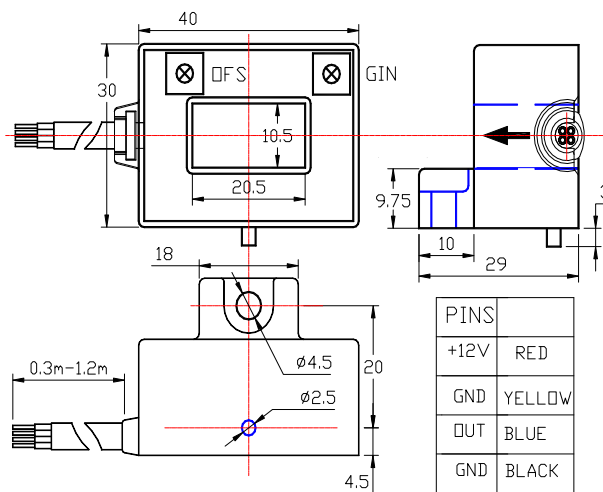
50 TKC-BSF122



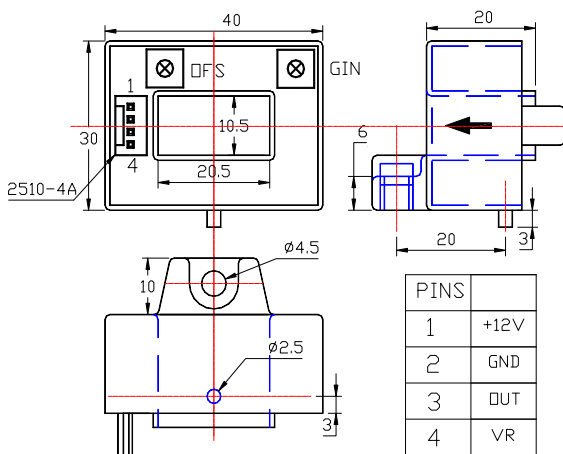
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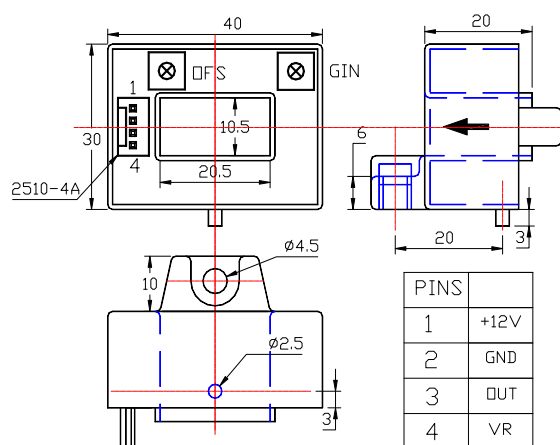
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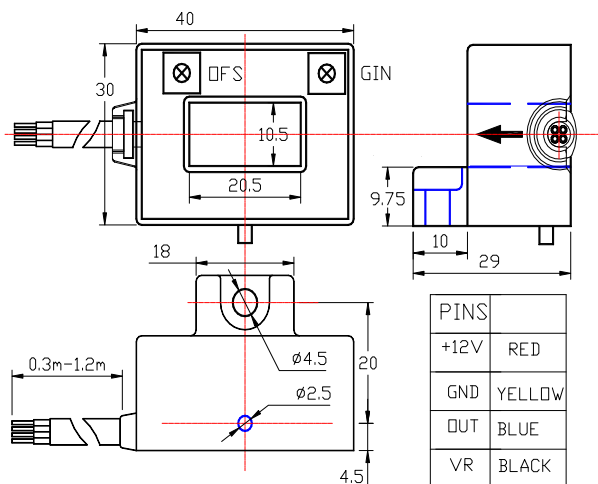
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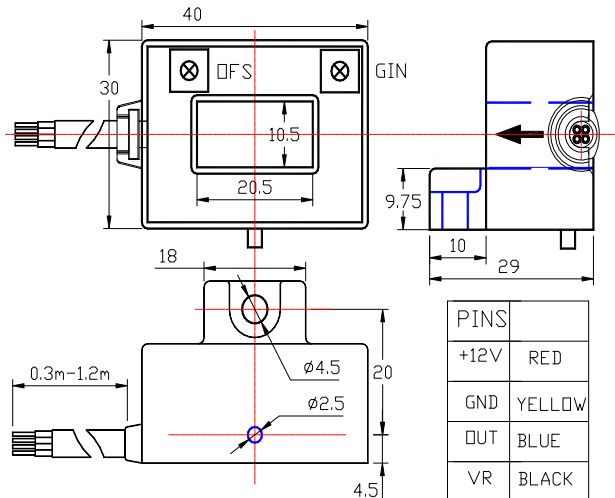
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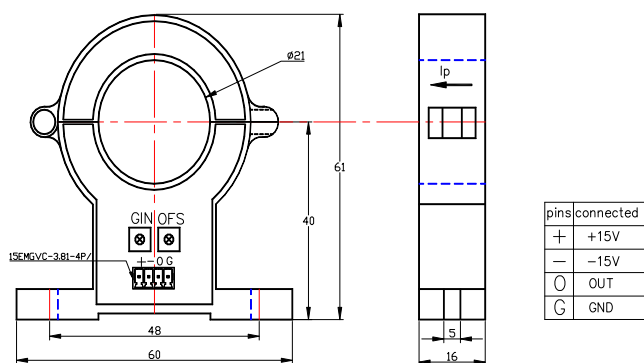
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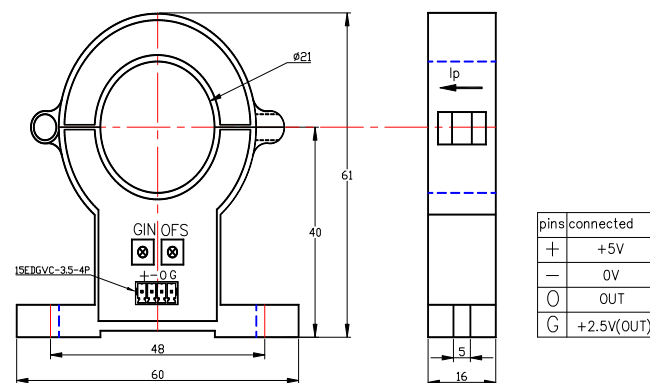
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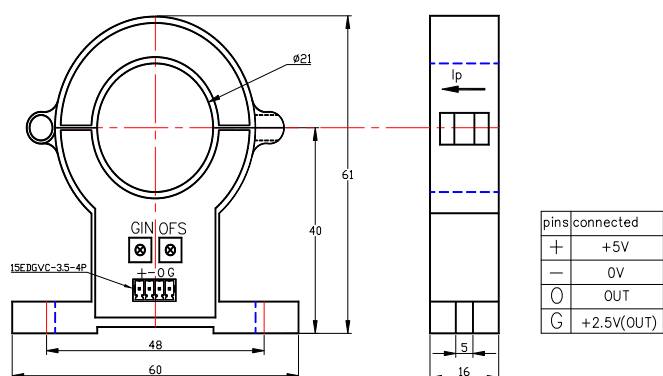
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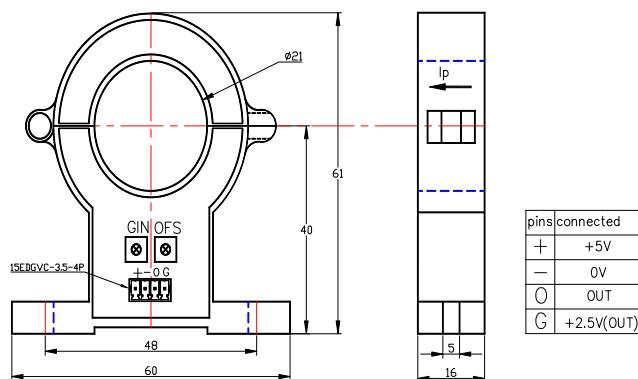
58 TKC-EKA51



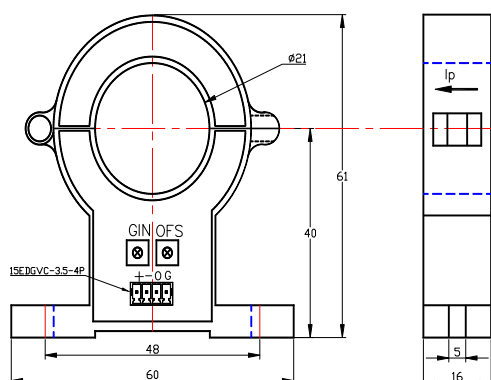
59 TKC-EKA52



60 TKC-EKA565

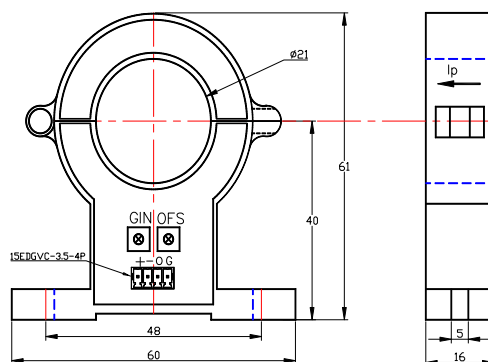


61 TKC-EKA242



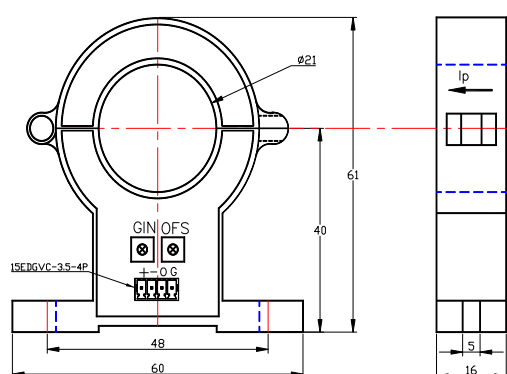
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+	+24V
-	0V
O	OUT
G	+5.0V(IN/OUT)

62 TKC-EKA420/12



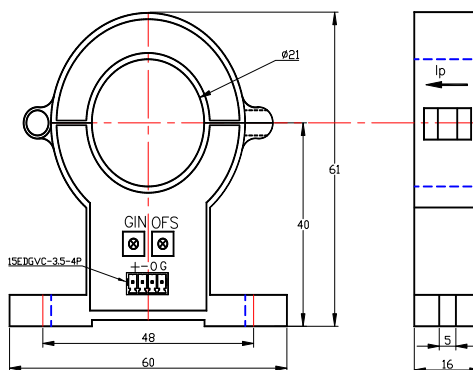
pins	connected
+	+15V
-	-15V
O	OUT
G	GND

63 TKC-EKA420/24



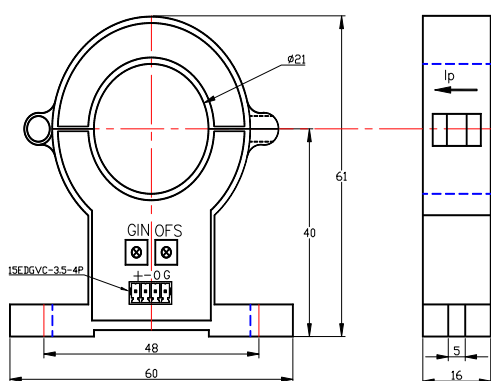
pins	connected
+	+15V
-	-15V
O	OUT
G	GND

64 TKC-EKAA128



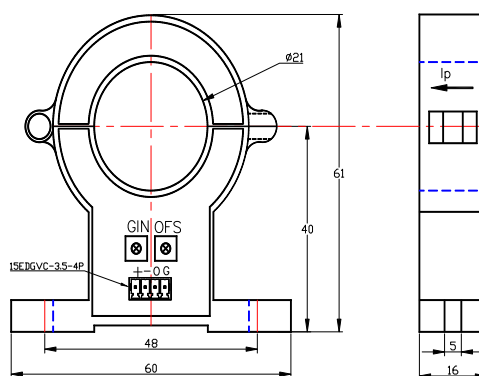
pins	connected
+	+12/24V
-	GND
O	OUT
G	GND

65 TKC-EKAA248



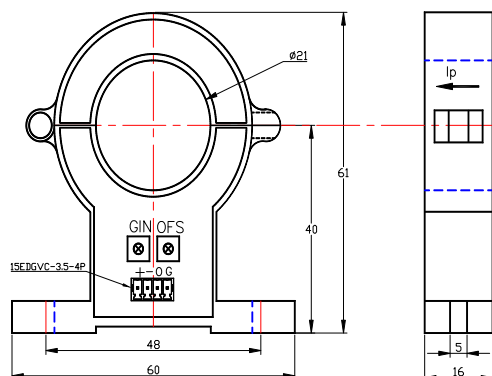
pins	connected
+	+12/24V
-	GND
O	OUT
G	GND

66 TKC-EKAA1210



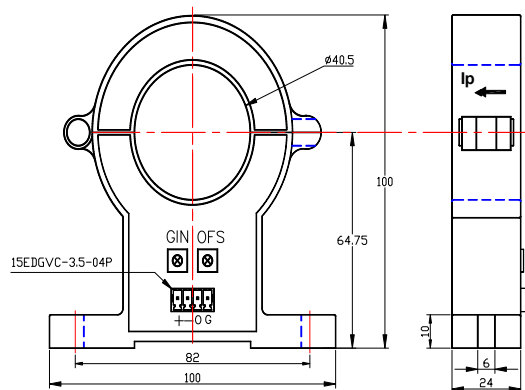
pins	connected
+	+12/24V
-	GND
O	OUT
G	GND

67 TKC-EKAA2410



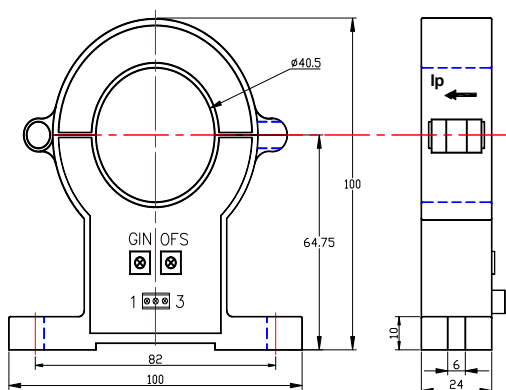
pins/connected	
+	+12/24V
-	GND
O	OUT
G	GND

68 TKC-EKB



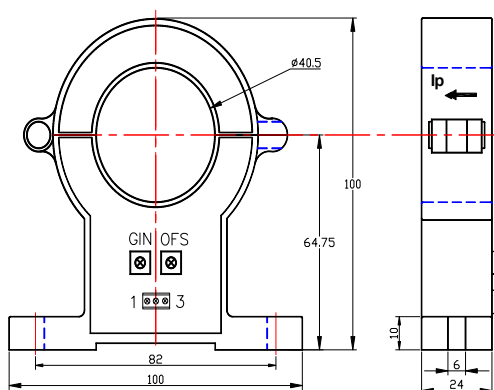
Pins Connected	
+	+15V
-	-15V
O	OUTPUT
G	GND

69 TKC-EKB51



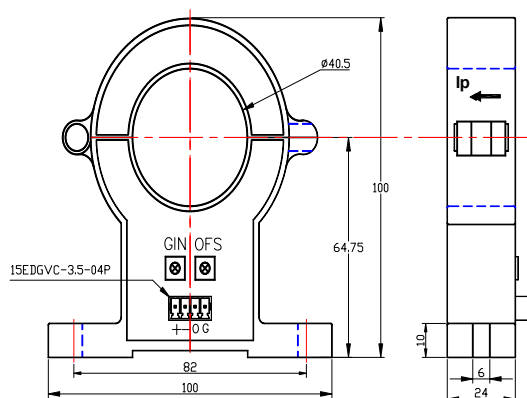
Pins Connected	
+	+15V
G	GND
O	OUTPUT

70 TKC-EKB52



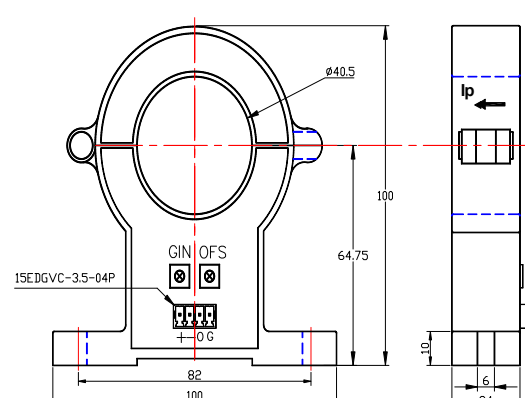
Pins Connected	
+	+15V
G	GND
O	OUTPUT

71 TKC-EKB420/12



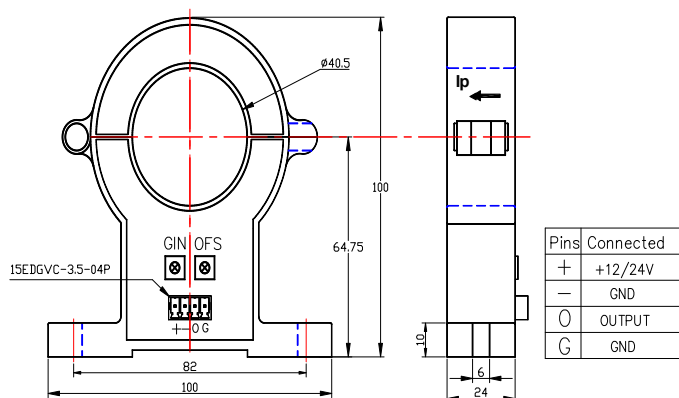
Pins Connected	
+	+12/24V
-	GND
O	OUTPUT
G	GND

72 TKC-EKB420/24

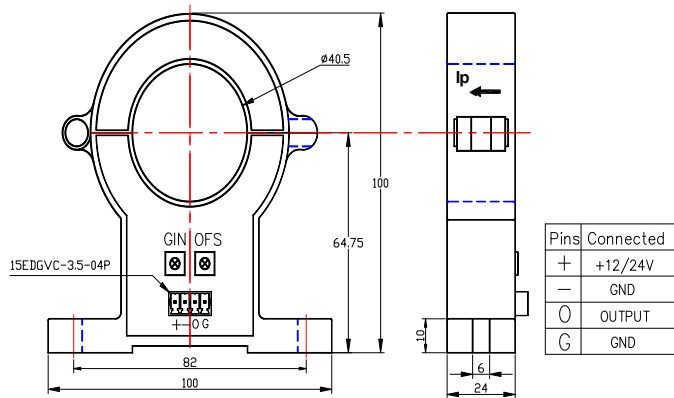


Pins Connected	
+	+12/24V
-	GND
O	OUTPUT
G	GND

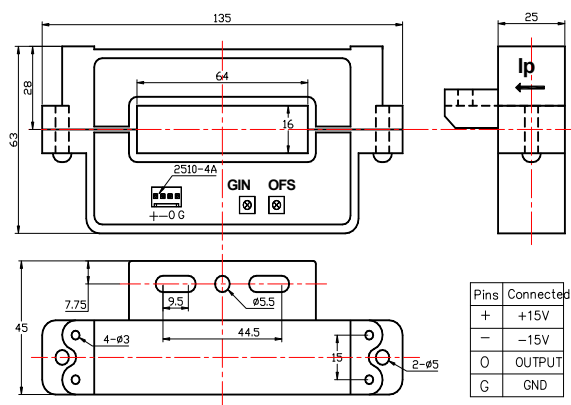
73 TKC-EKB128



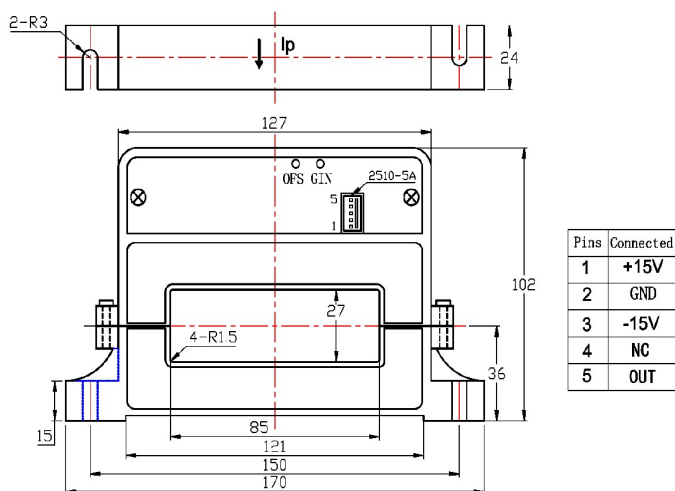
74 TKC-EKB248



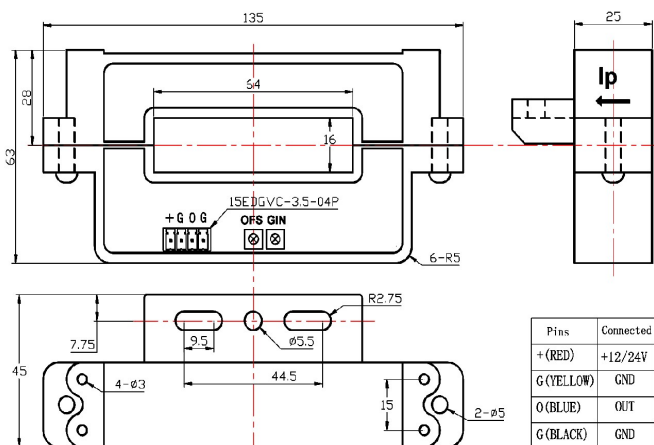
75 TKC-K



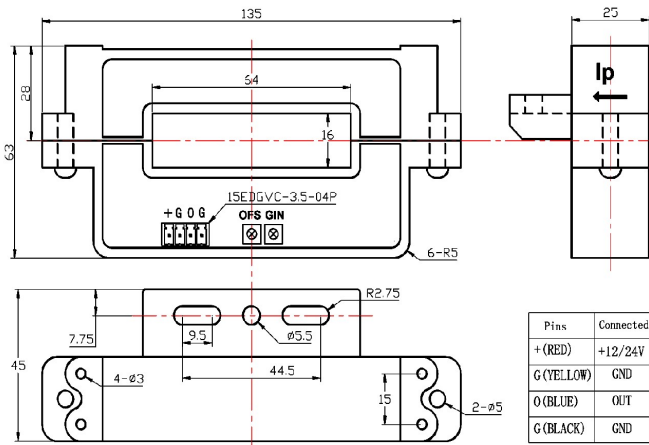
76 TKC-H



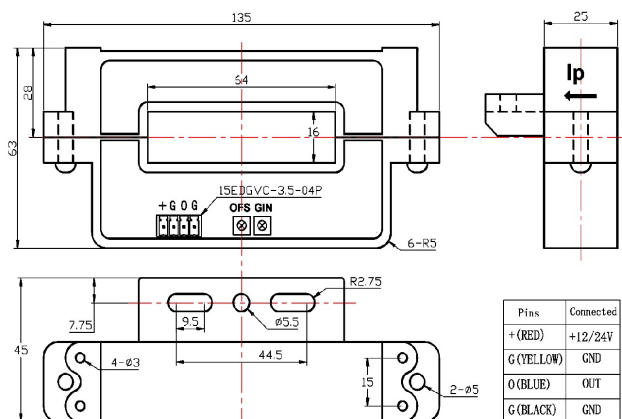
77 TKC-KA420/12V



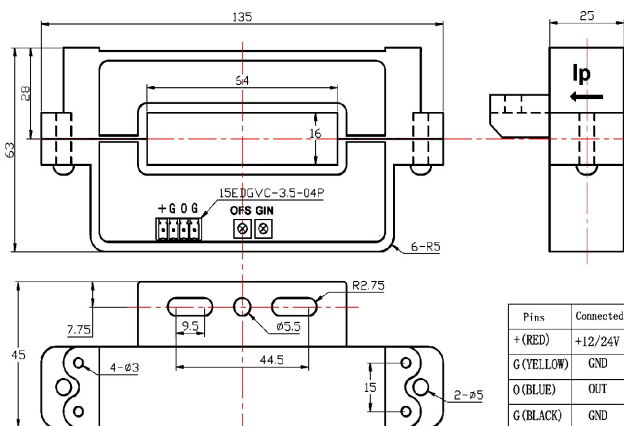
78 TKC-KA420/24V



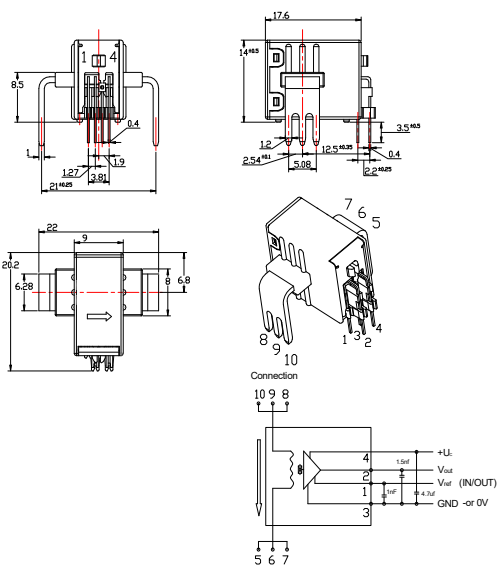
79 TKC-KAA128



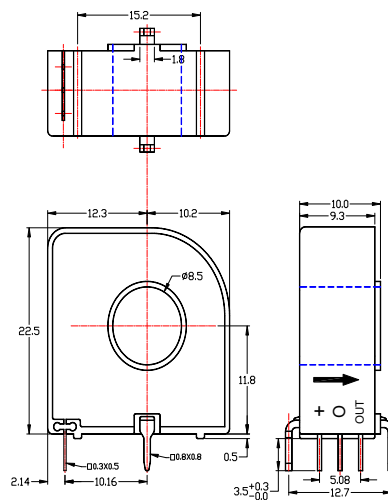
80 TKC-KAA248



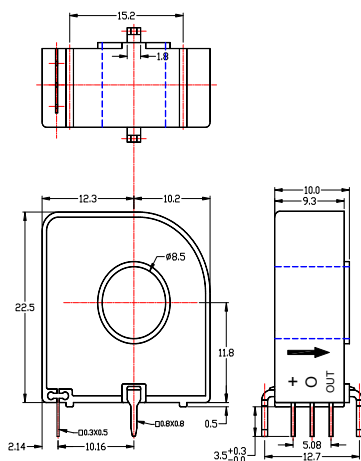
81 TKC-LSR508-1



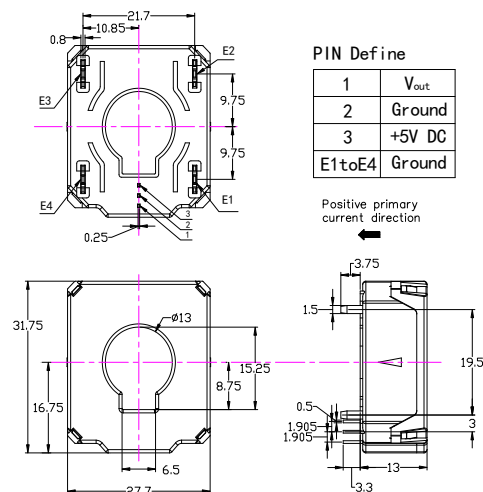
82 TKC-DT51



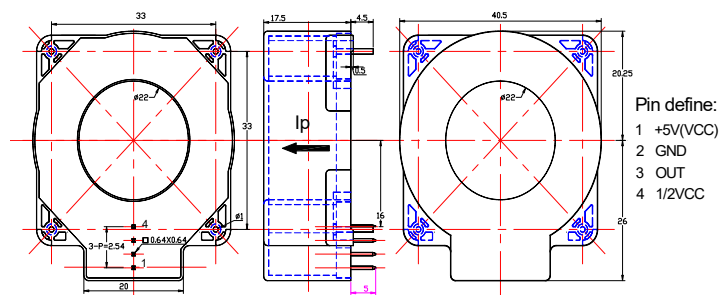
83 TKC-DT52



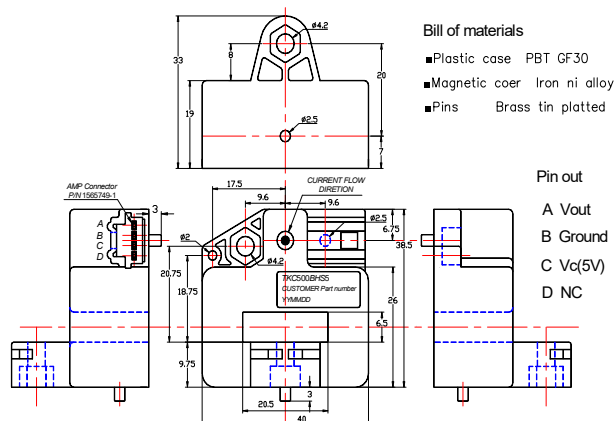
84 TKC-HC5F



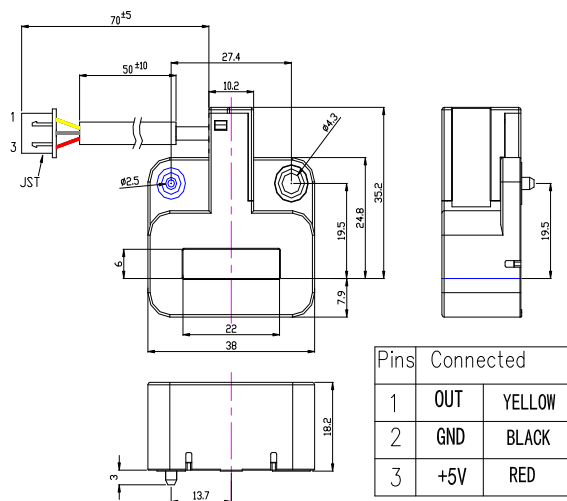
85 TKC-TF512



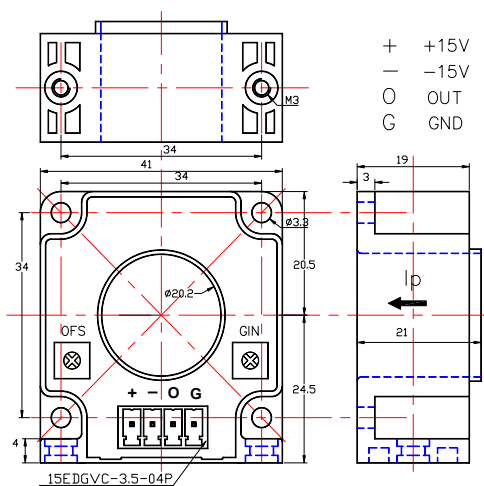
86 TKC-BHS52



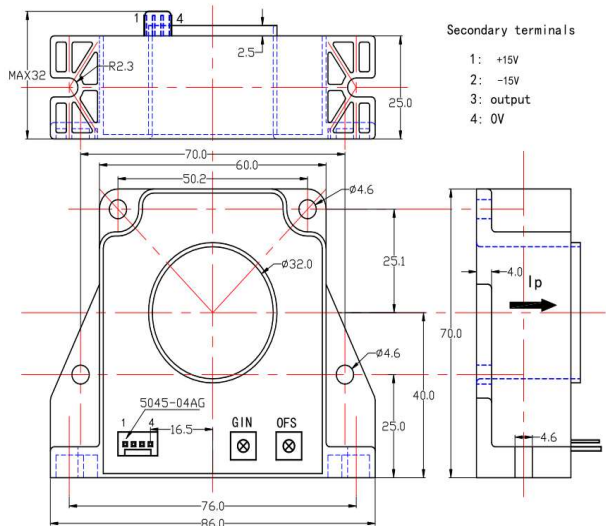
87 TKC-ASA52



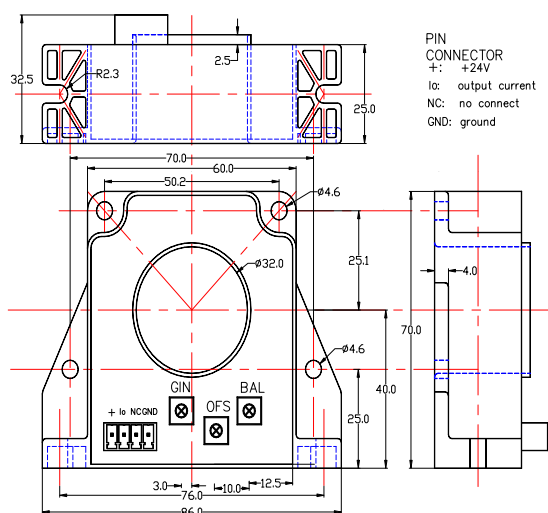
88 TKC-LTH



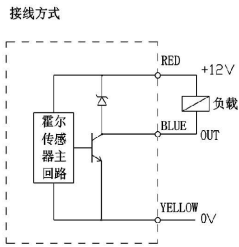
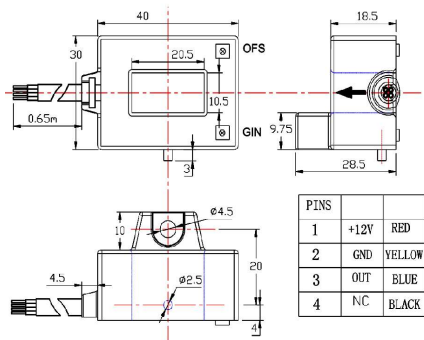
89 TKC-DHC



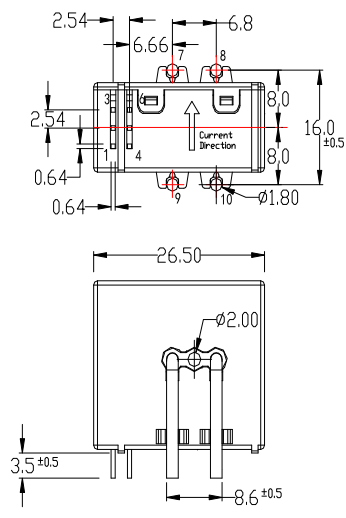
90 TKC-DHR420



91 TKC-BRK12

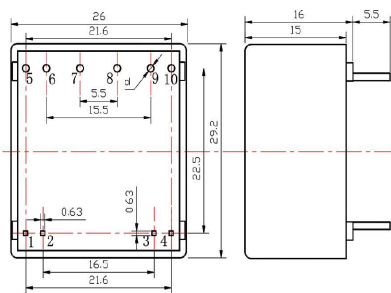


92 TBC-RC512



PINS	Symbol	Description
1	VCC	Power supply +3.3V
2	GND	Power GND
3	VO	Signal output
4	CHK	Product Self-Check input
5	REF	Reference voltage output
7-10	IP	Primary Current

93 TBC-A02

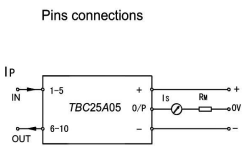
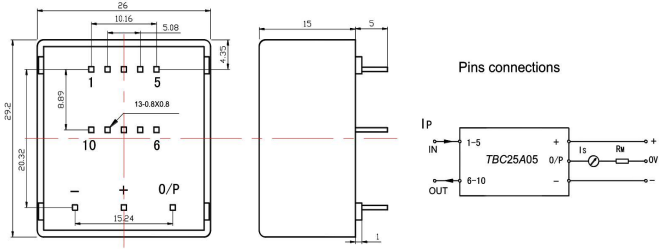


Terminal Pin Identification

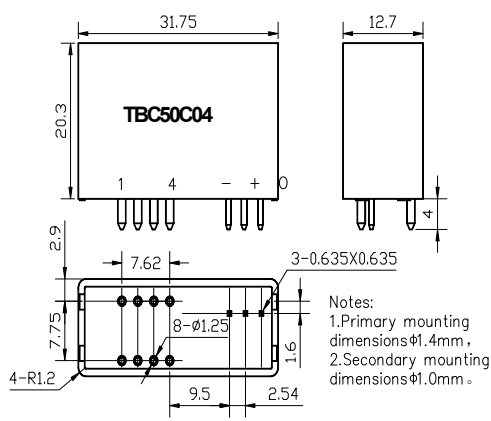
1.....+15V	2.....-15V	3.....0V	4.....Output
5,6,7...primary input current(+)	8,9,10...primary input current(-)		

Current	d	Connected
1 0.5A-3A	2-Φ1.4	5、10
2 5A、10A	2-Φ1.4	6、9
3 20A	4-Φ1.4	6-7、8-9

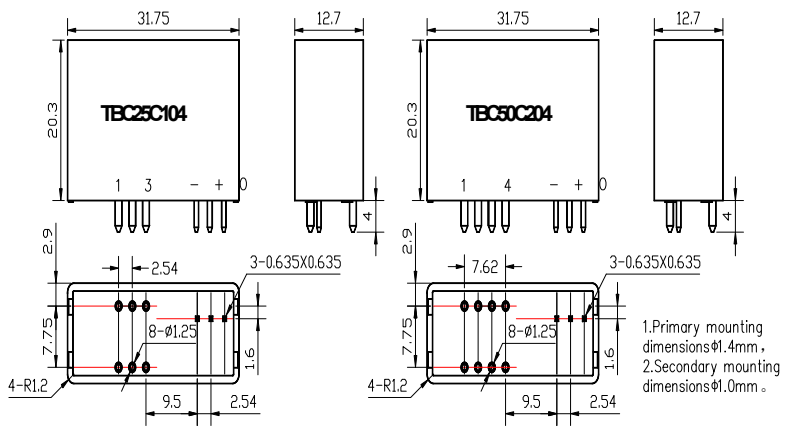
94 TBC-A05



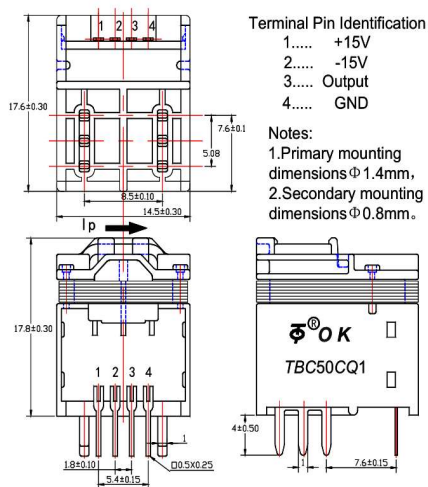
95 TBC25C04 / 50C04



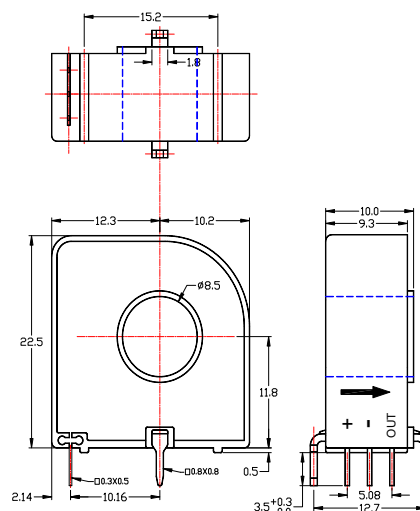
96 TBC25C104/50C204



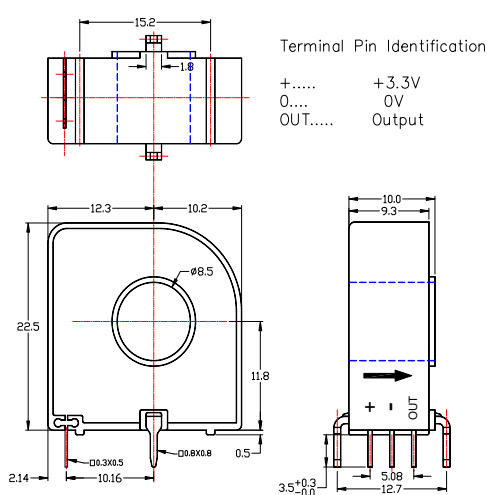
97 TBC-CQ1



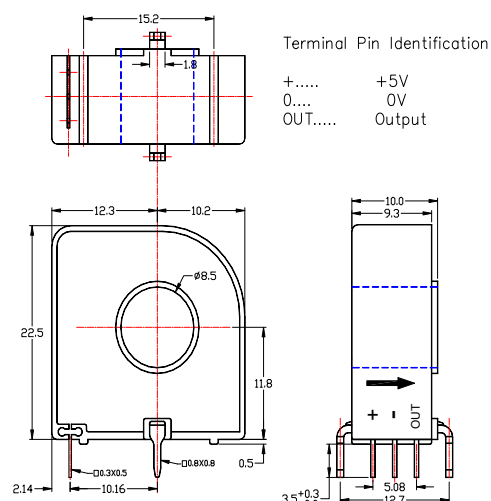
98 TBC-DT



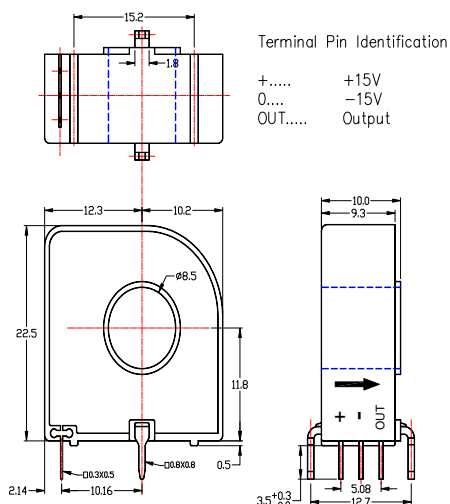
99 TBC-DT3.3



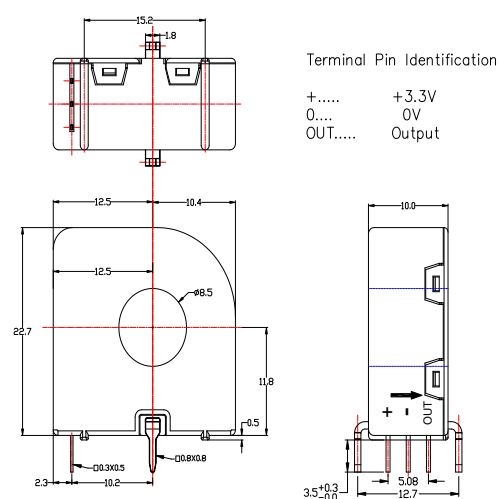
100 TBC-DT52



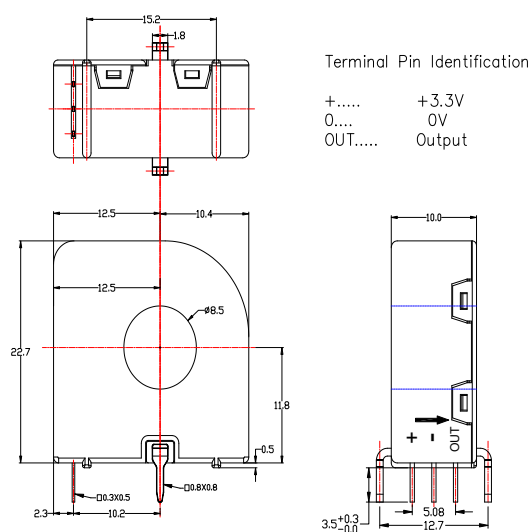
101 TBC-DT565



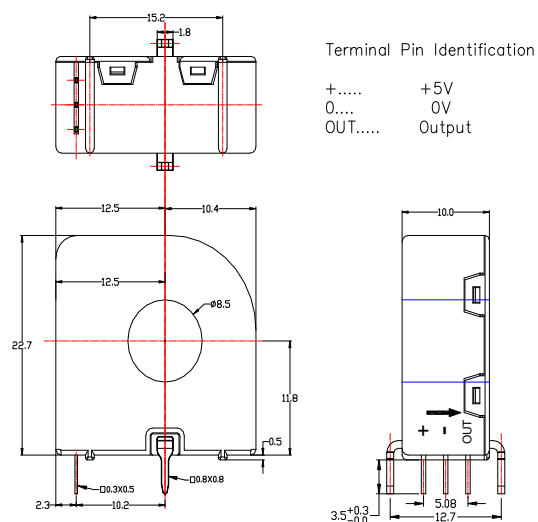
102 TBC-DHT



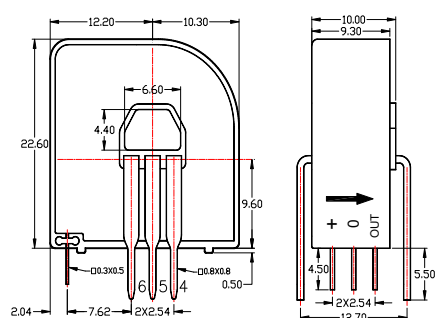
103 TBC-DHT3.3



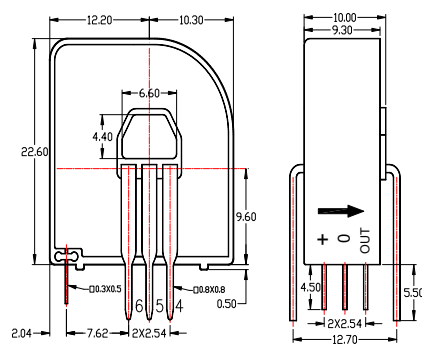
104 TBC-DHT52



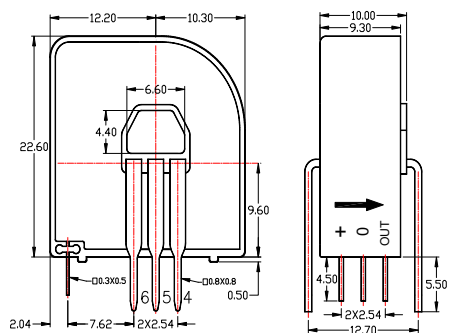
105 TBC-D



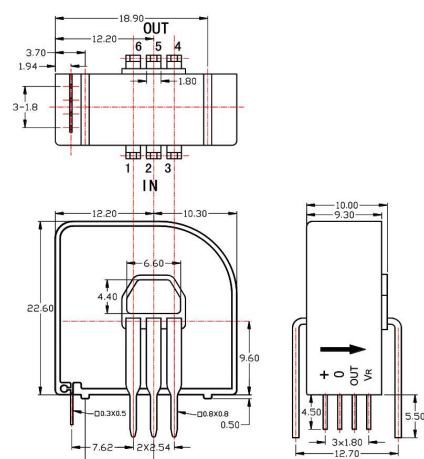
106 TBC-DS3.3



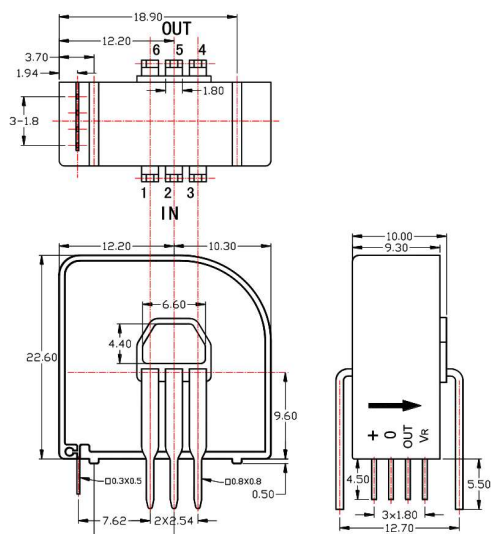
107 TBC-DS5



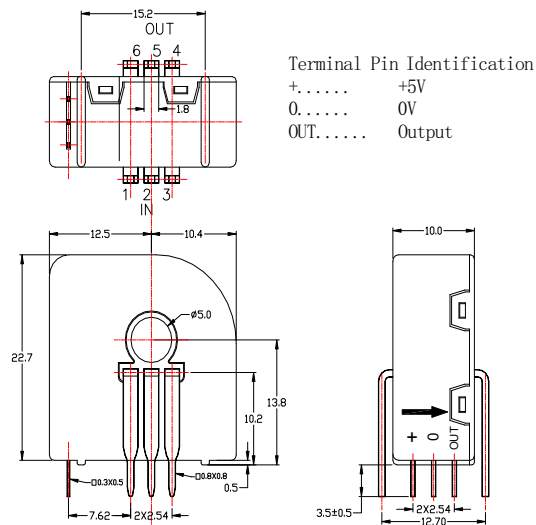
108 TBC-DSR5



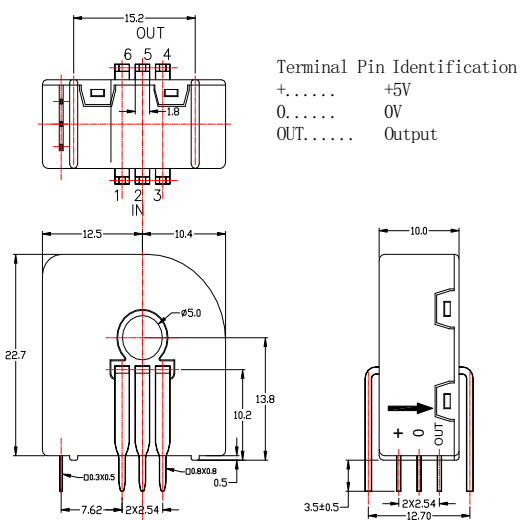
109 TBC-DSR3.3



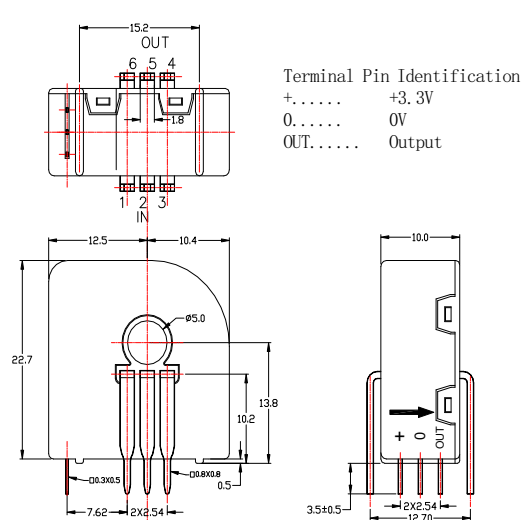
110 TBC-DHS5



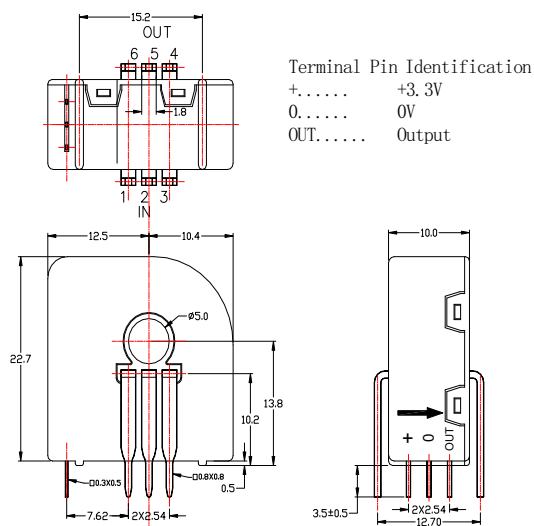
111 TBC-DHS52



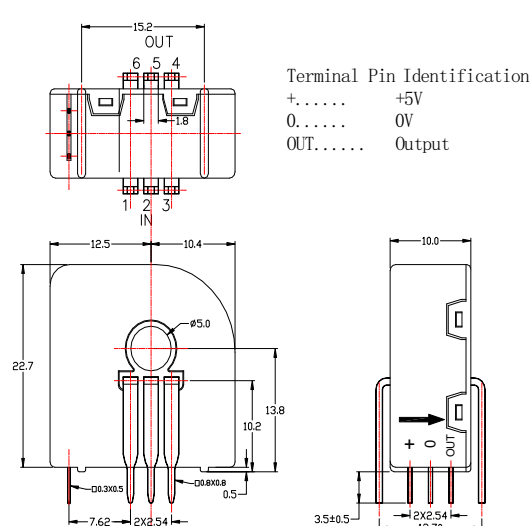
112 TBC-DHS3.3



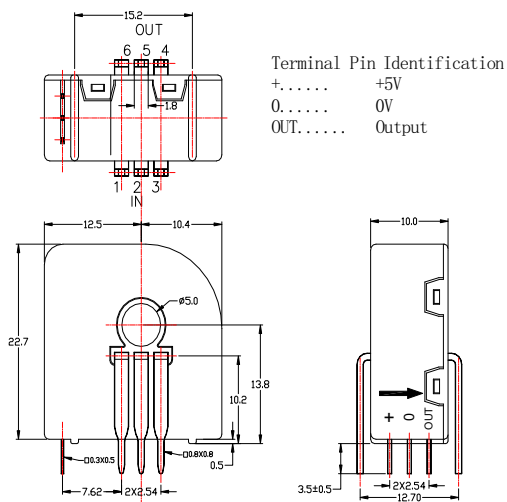
113 TBC-DHSR3.3



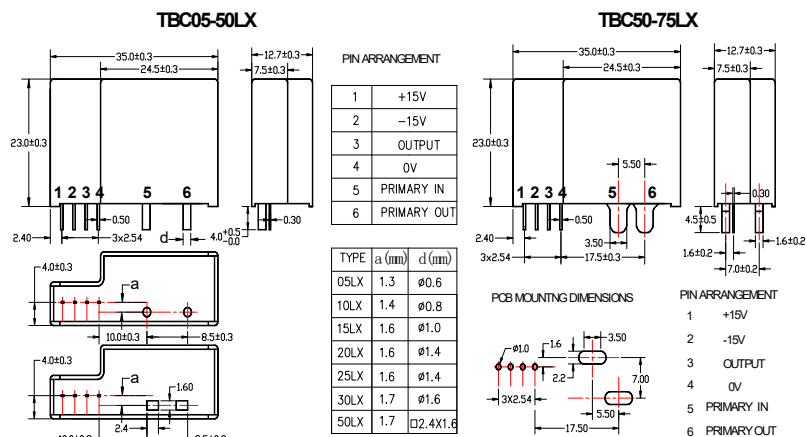
114 TBC-DHSR52



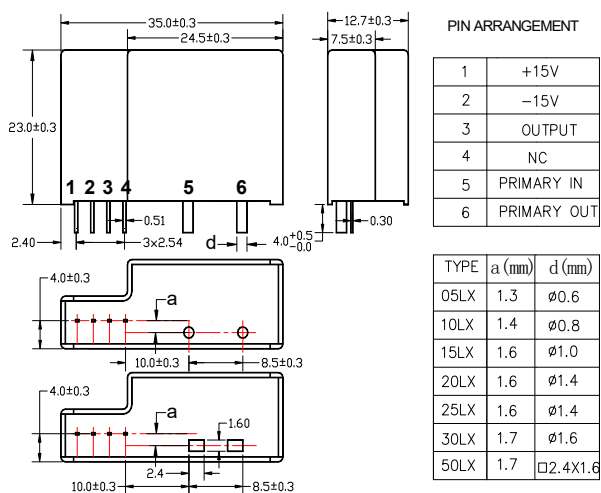
115 TBC-DHSR5



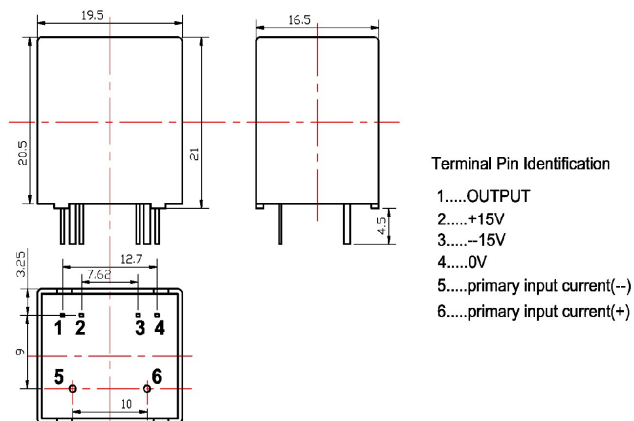
116 TBC-LXH



117 TBC-LXA

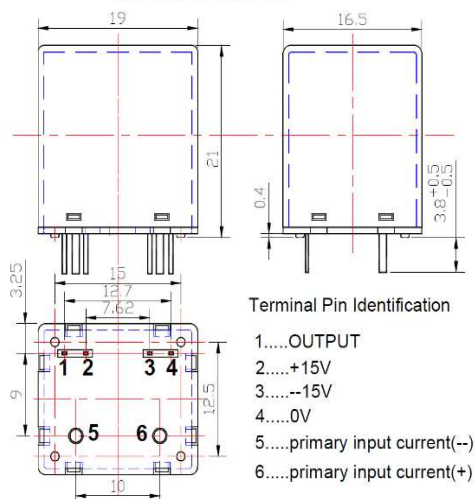


118 TBC-P

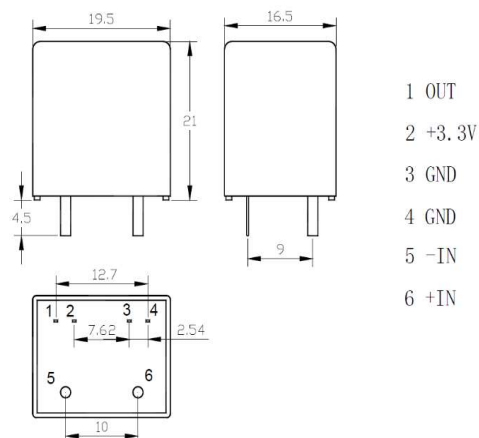


119 TBC-PH

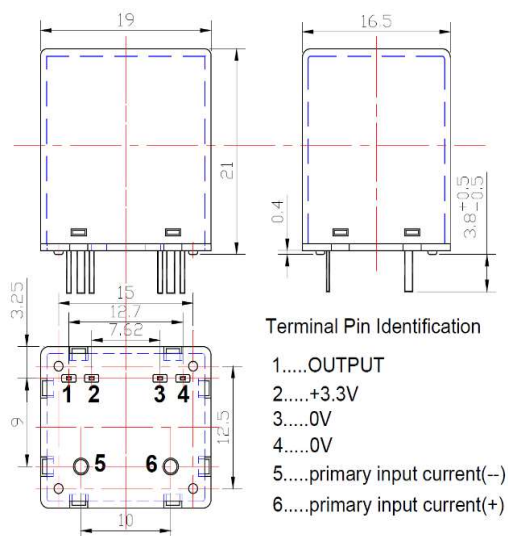
TBC03-30PH



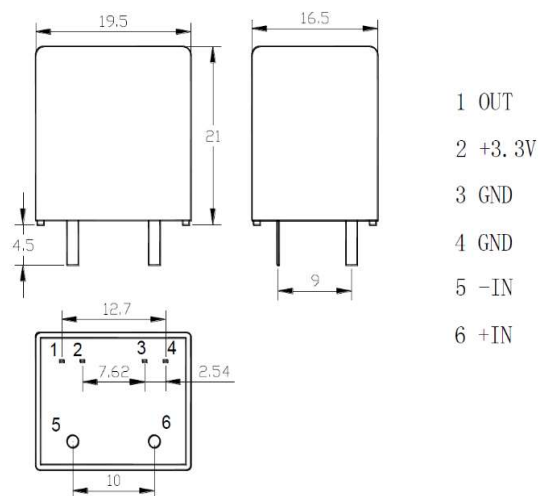
120 TBC-PS3.3



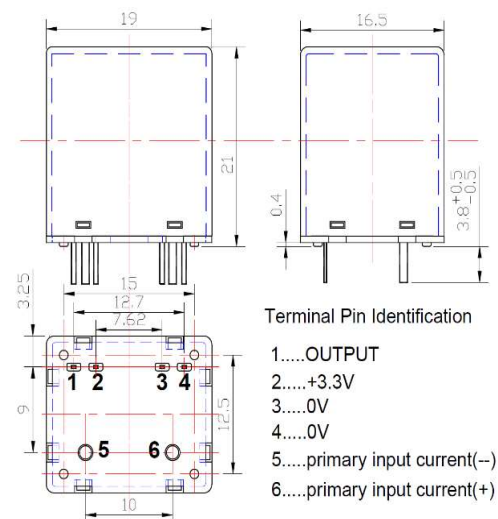
121 TBC-PHS3.3



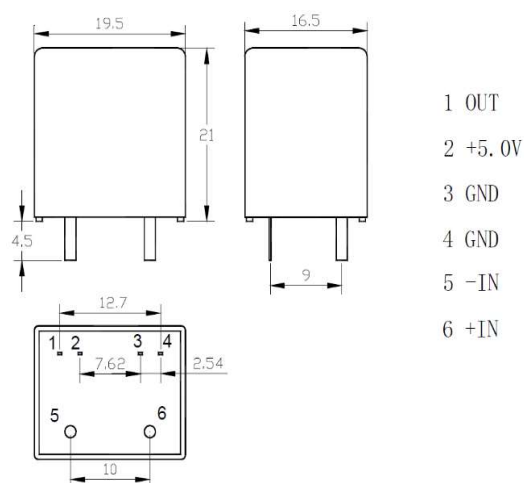
122 TBC-PS3.3T



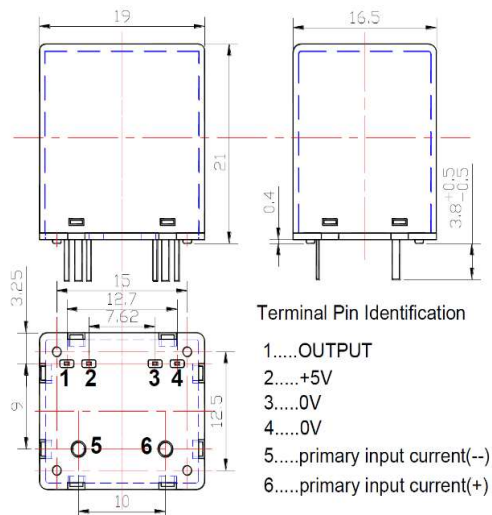
123 TBC-PHS3.3T



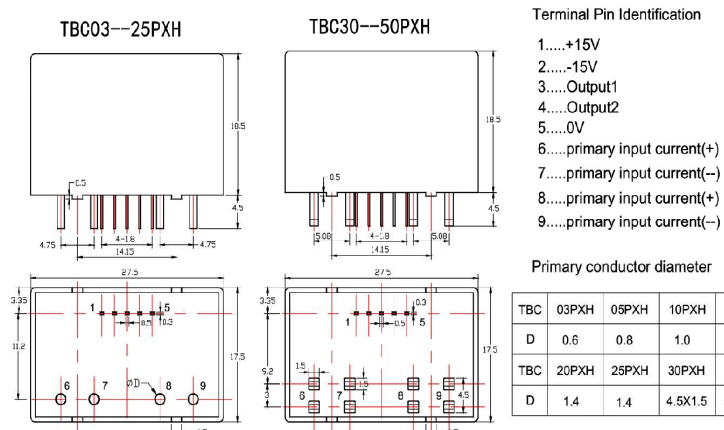
124 TBC-PS5



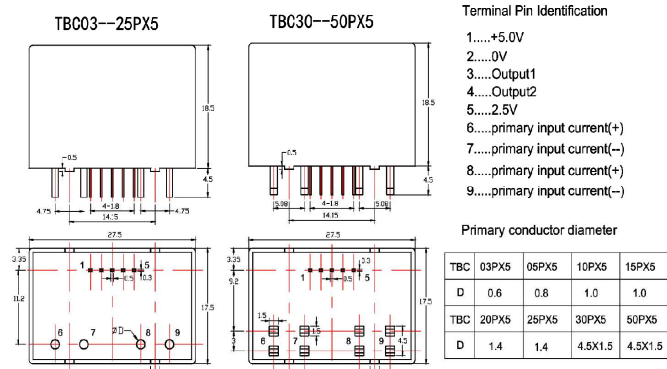
125 TBC-PHS5



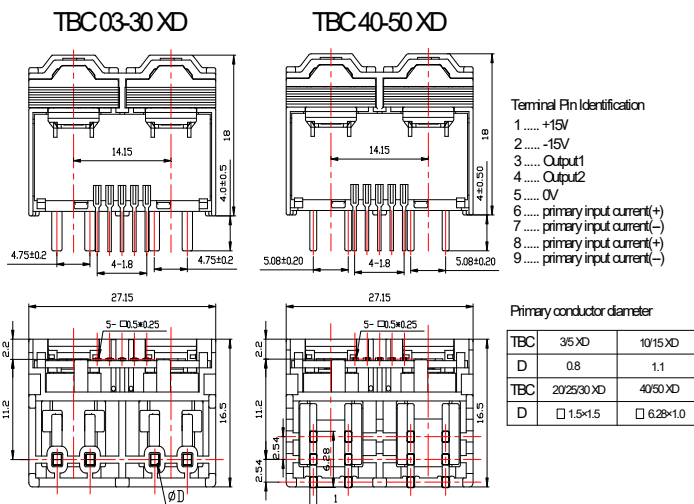
126 TBC-PXH



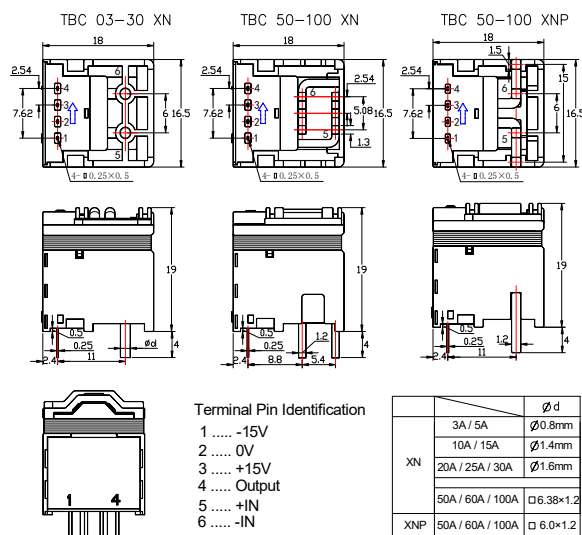
127 TBC-PX5



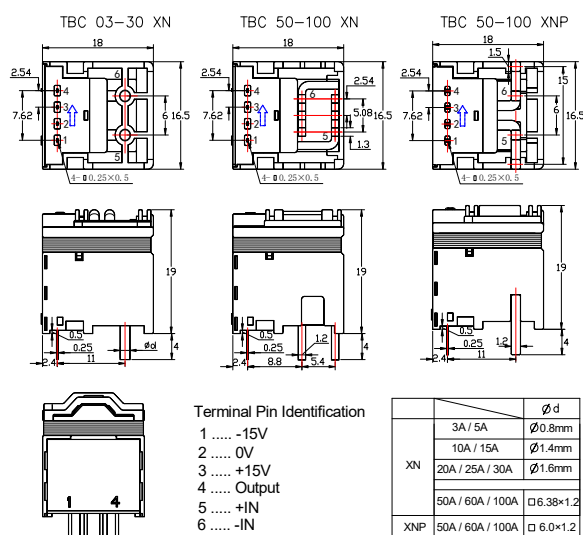
128 TBC-XD



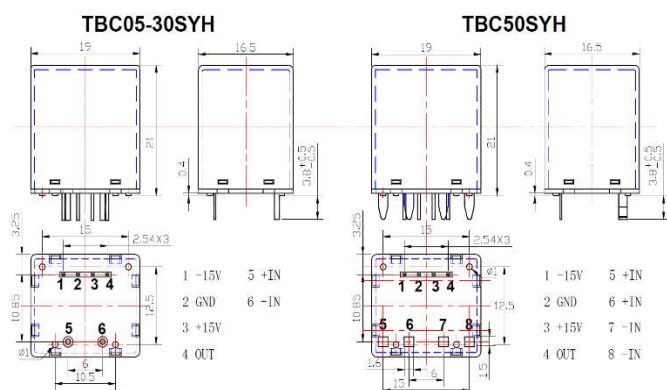
129 TBC-XN



130 TBC-XNP



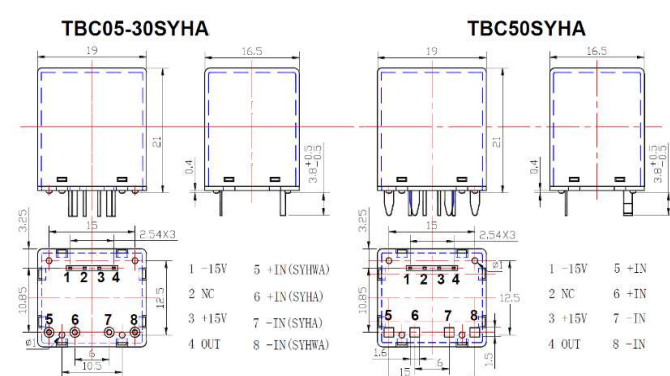
131 TBC-SYH



Remarks:

- All dimensions are in mm.
- Secondary pin size and tolerance: width:0.5±0.1mm;thickness:0.25±0.05mm
- General tolerance ±1mm

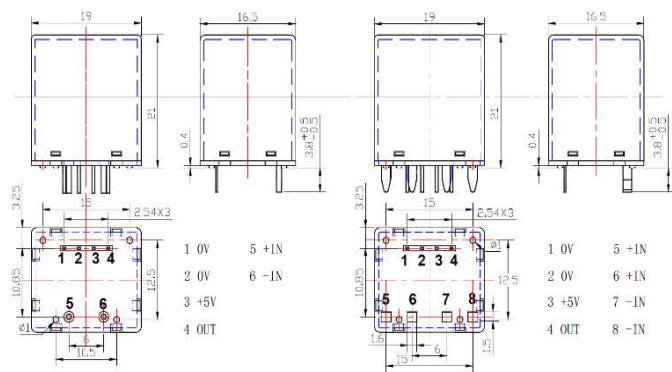
132 TBC-SYHA



Remarks:

- All dimensions are in mm.
- Secondary pin size and tolerance: width:0.5±0.1mm;thickness:0.25±0.05mm
- General tolerance ±1mm.

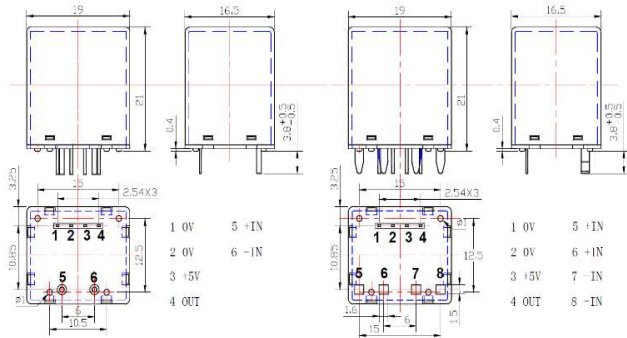
133 TBC-SYH52



Remarks:

1. All dimensions are in mm.
2. Secondary pin size and tolerance: width: $0.5 \pm 0.1\text{mm}$; thickness: $0.25 \pm 0.05\text{mm}$
3. General tolerance $\pm 1\text{mm}$

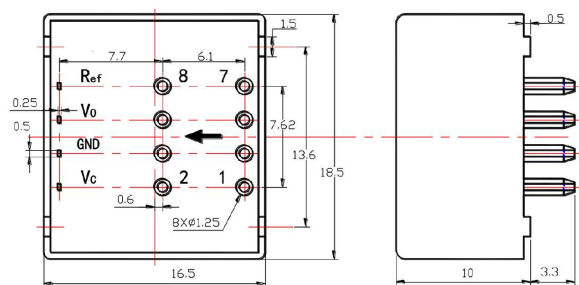
134 TBC-SYH565



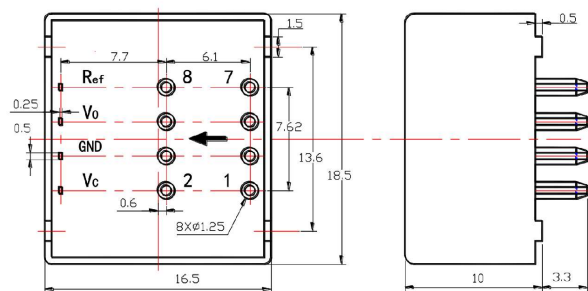
Remarks:

1. All dimensions are in mm.
2. Secondary pin size and tolerance: width: $0.5 \pm 0.1\text{mm}$; thickness: $0.25 \pm 0.05\text{mm}$
3. General tolerance $\pm 1\text{mm}$

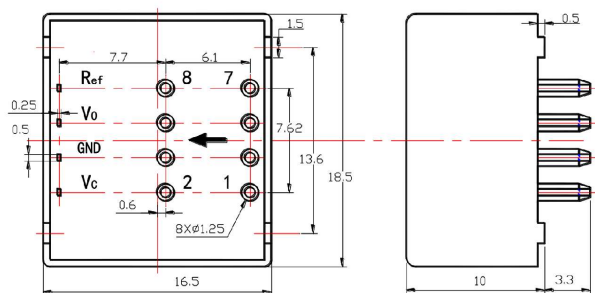
135 TBC-HXS5



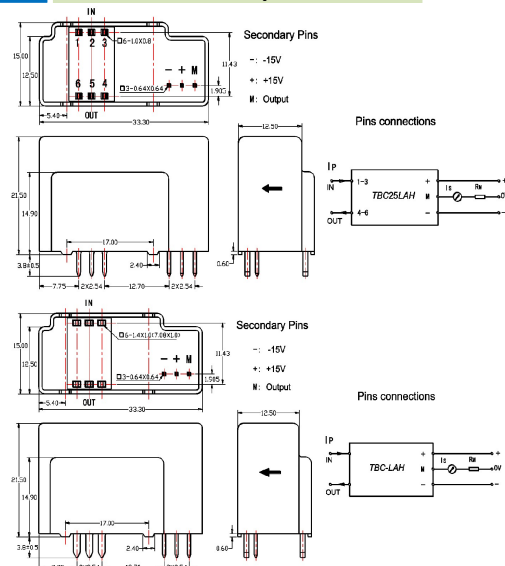
136 TBC-HXS51



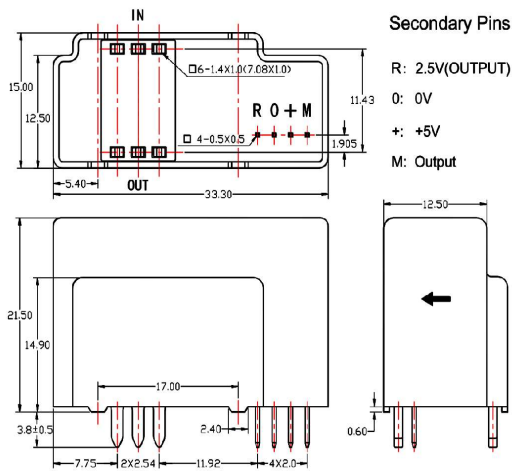
137 TBC-HXS52



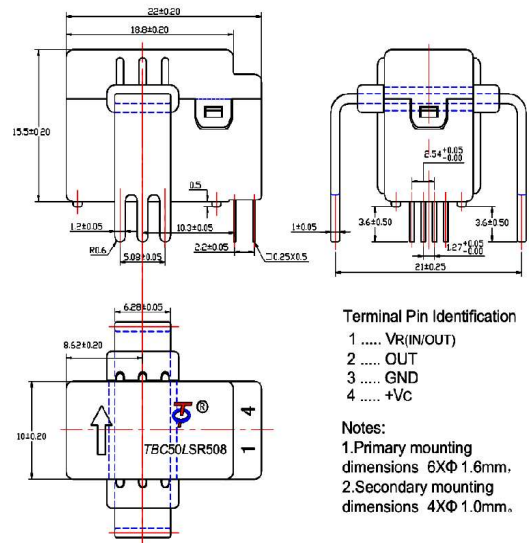
138 TBC-25LAH/50LAH



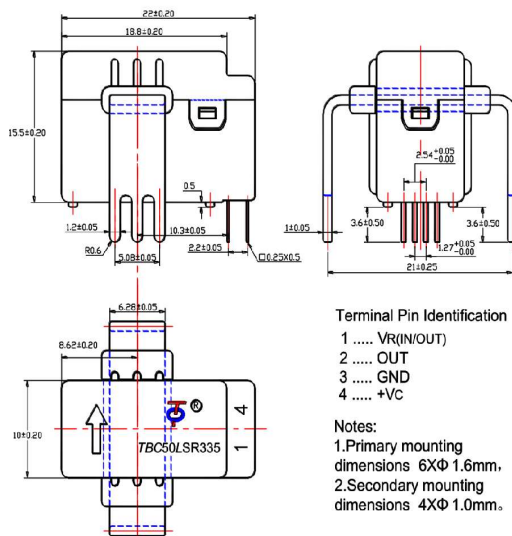
139 TBC-LAS5



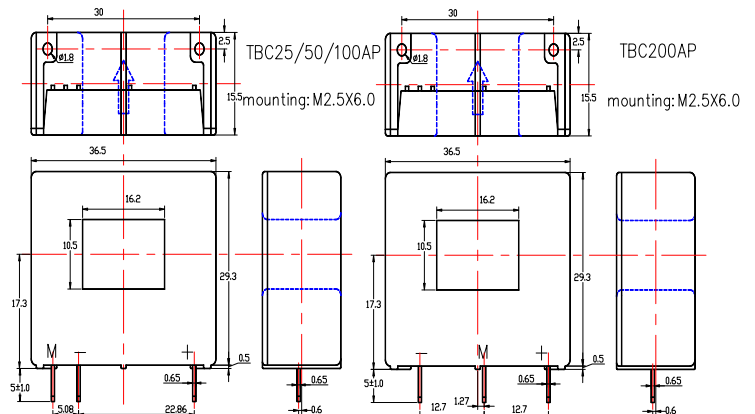
140 TBC-LSR508



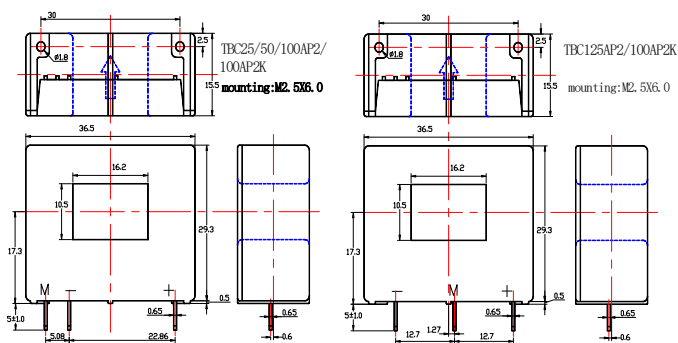
141 TBC-LSR335



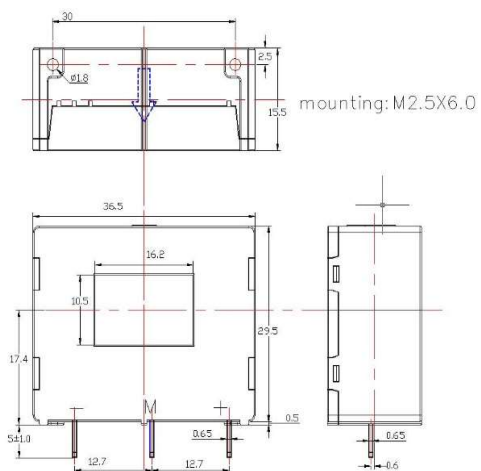
142 TBC-AP



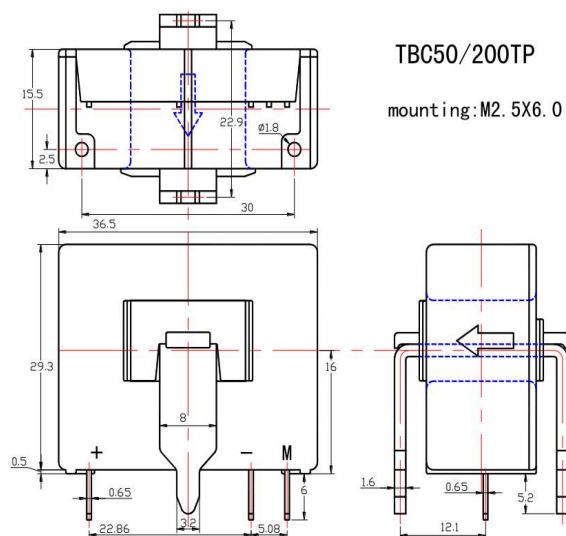
143 TBC-AP2



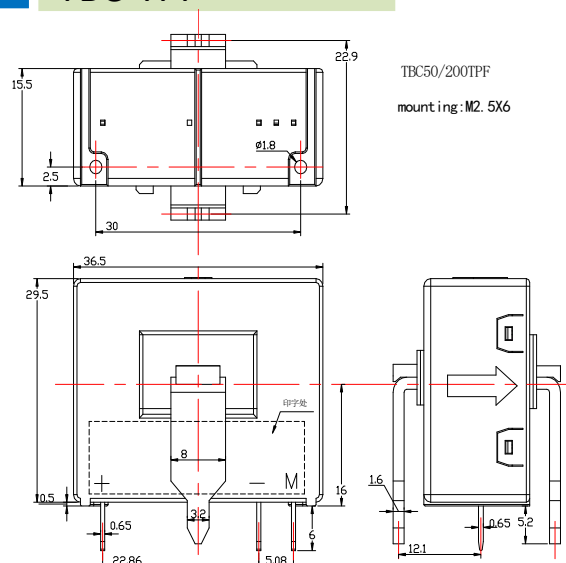
144 TBC-APF



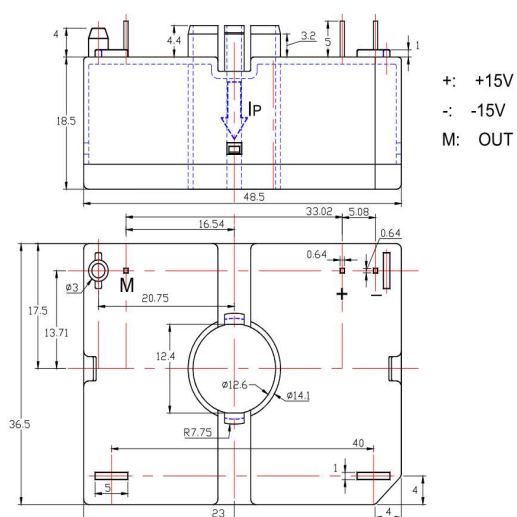
145 TBC-TP



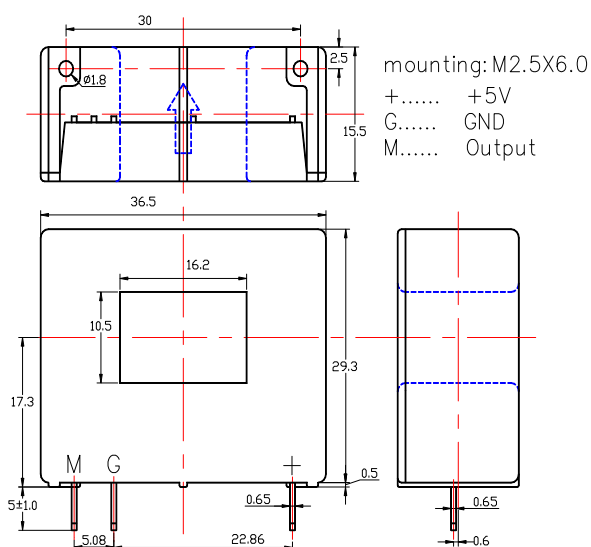
146 TBC-TPF



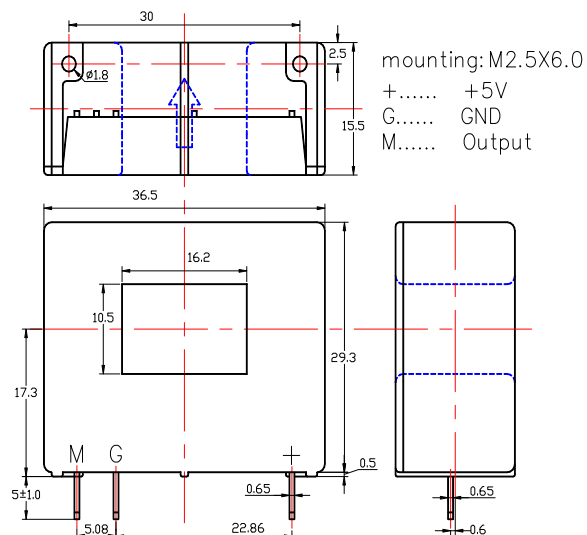
147 TBC-APT



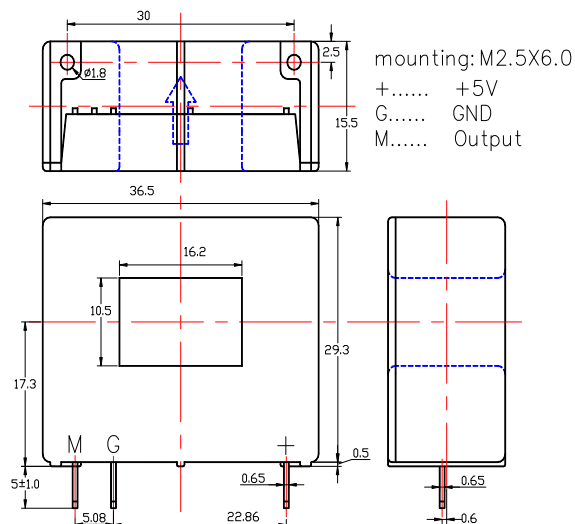
148 TBC-APS51



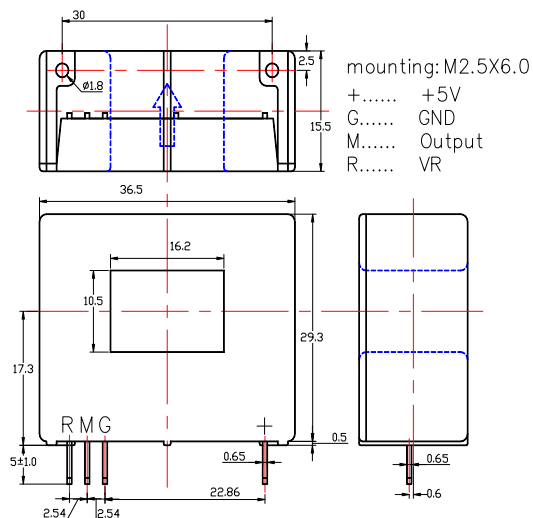
149 TBC-APS565



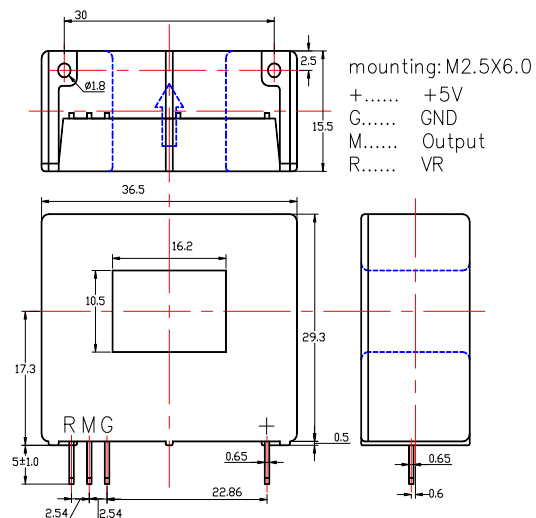
150 TBC-APS52



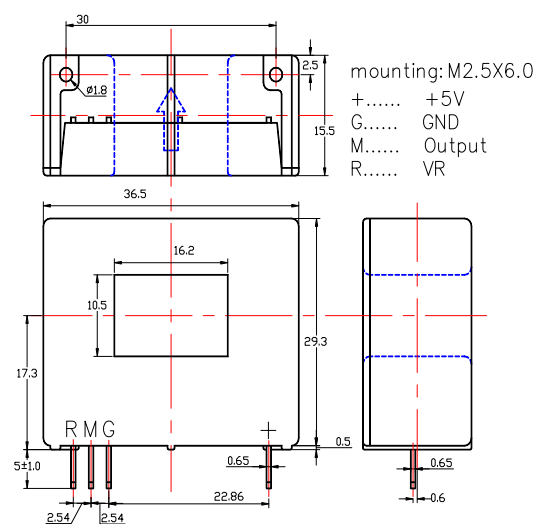
151 TBC-APSR51



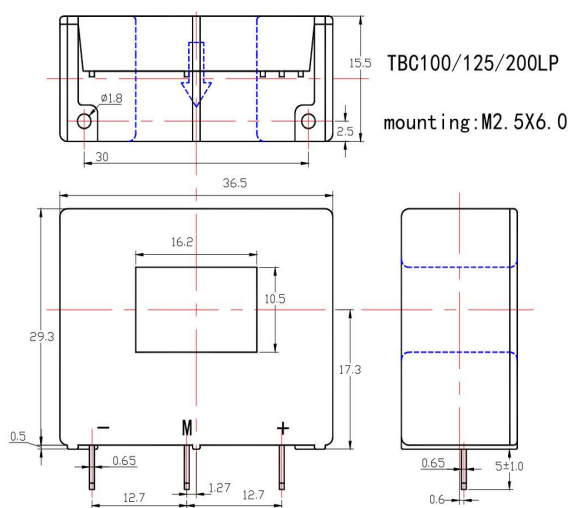
152 TBC-APSR565



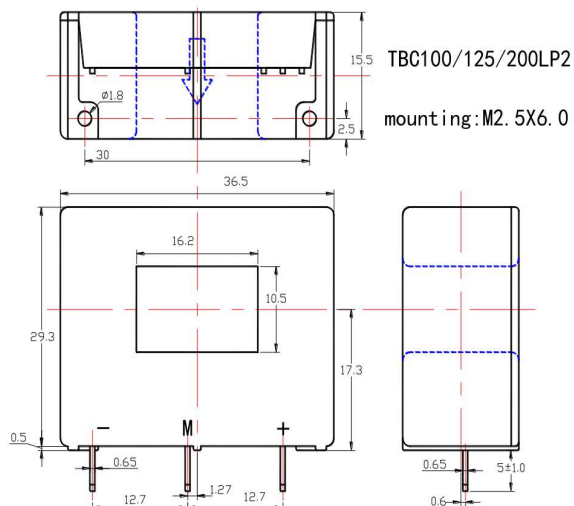
153 TBC-APSR52



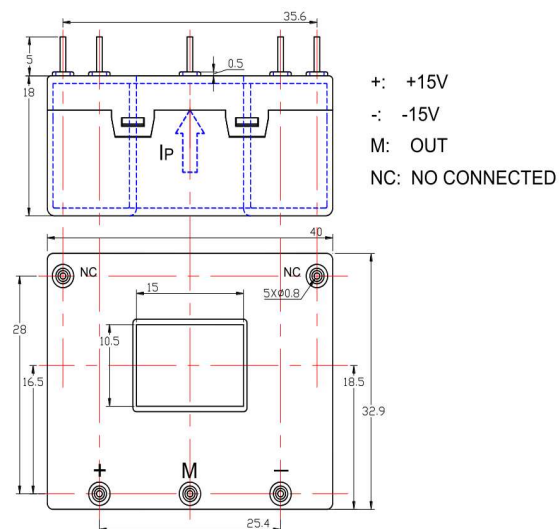
154 TBC-LP



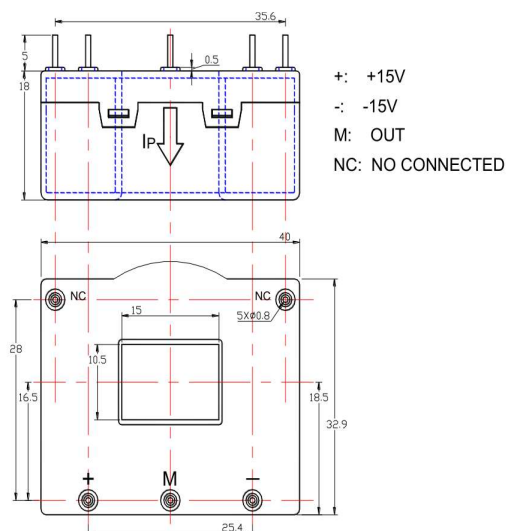
155 TBC-LP2



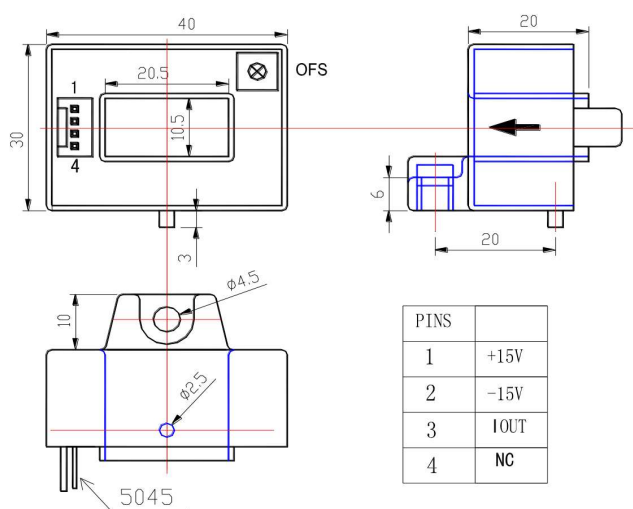
156 TBC-LPT



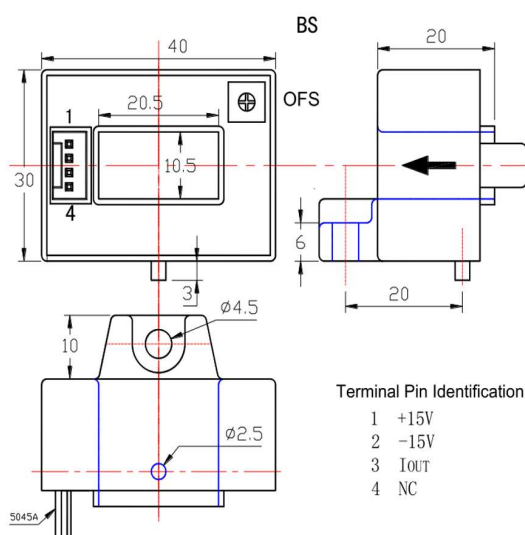
157 TBC-LPT-1



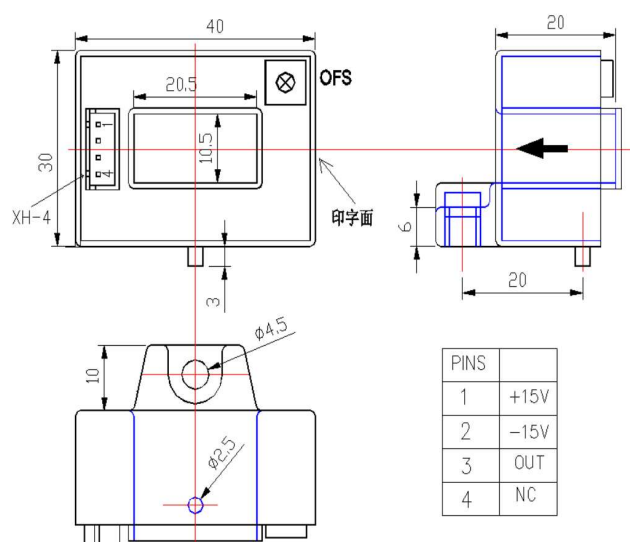
158 TBC400BST



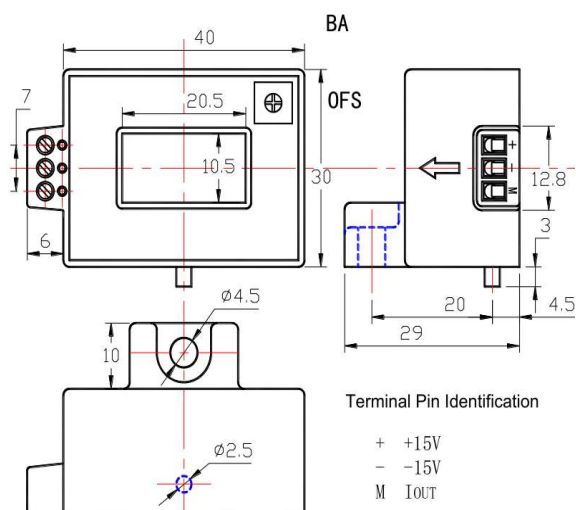
159 TBC-BS



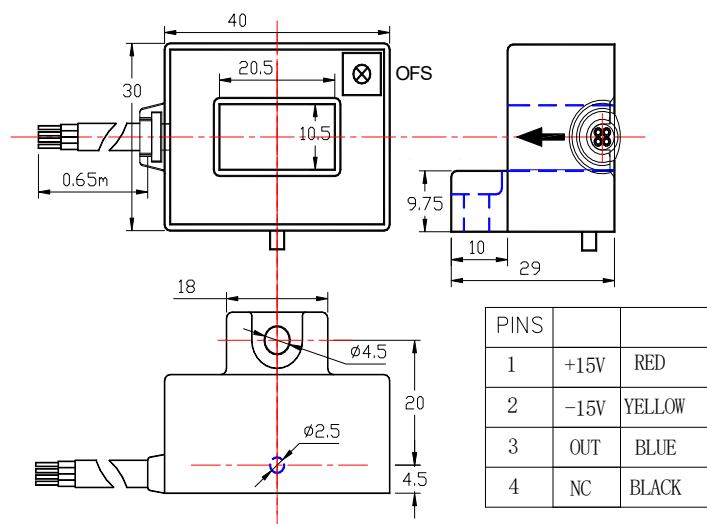
160 TBC-BSW



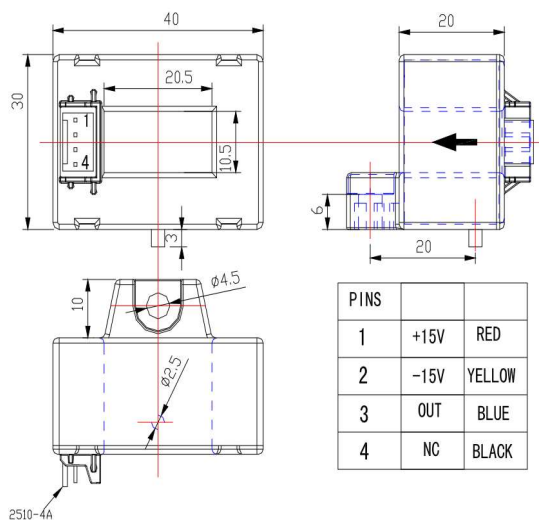
161 TBC-BA



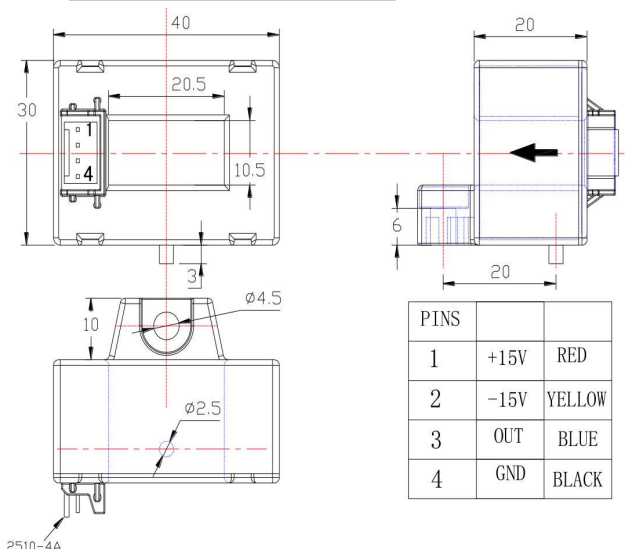
162 TBC-BR



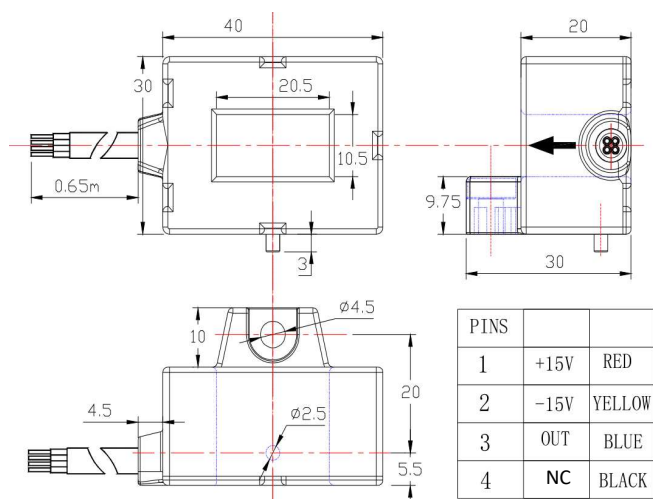
163 TBC-BTS



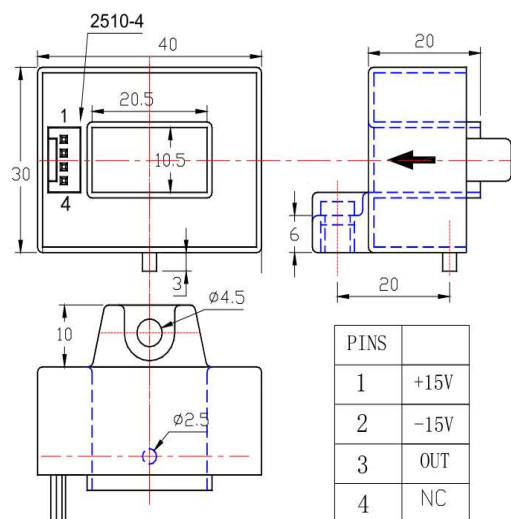
164 TBC-BTS4V



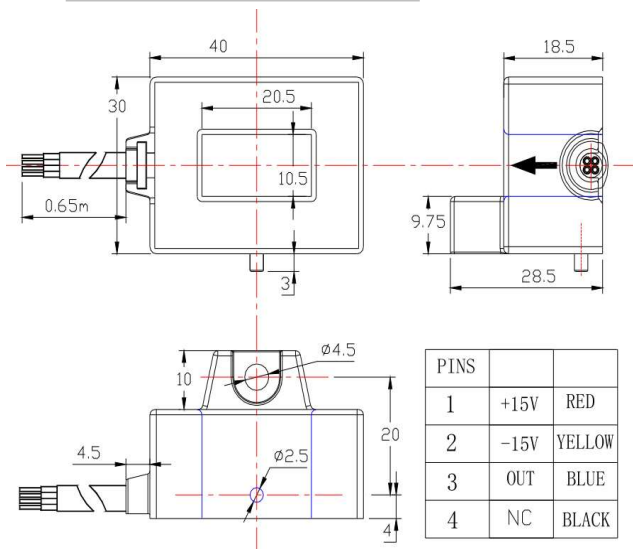
165 TBC-BTR



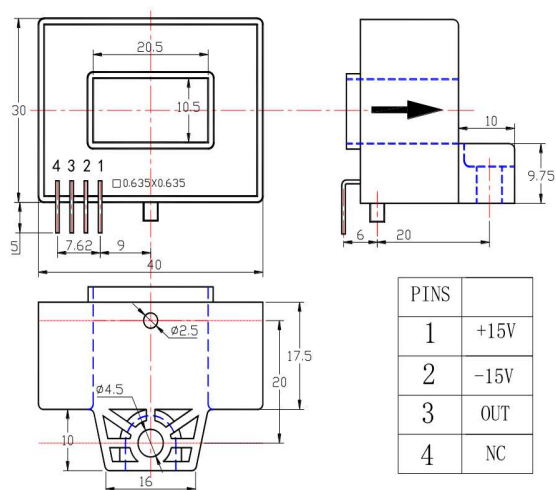
166 TBC-BXS



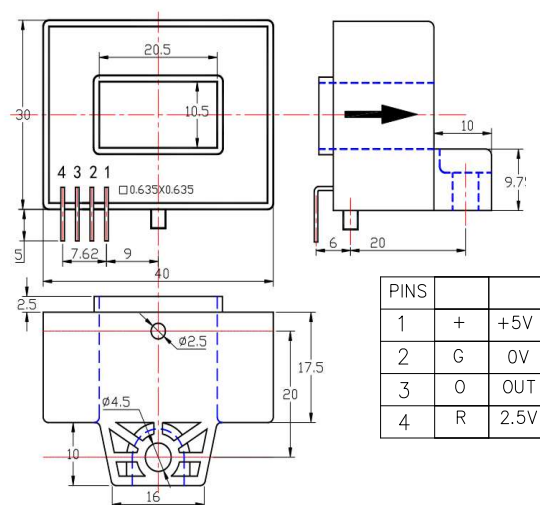
167 TBC-BXR



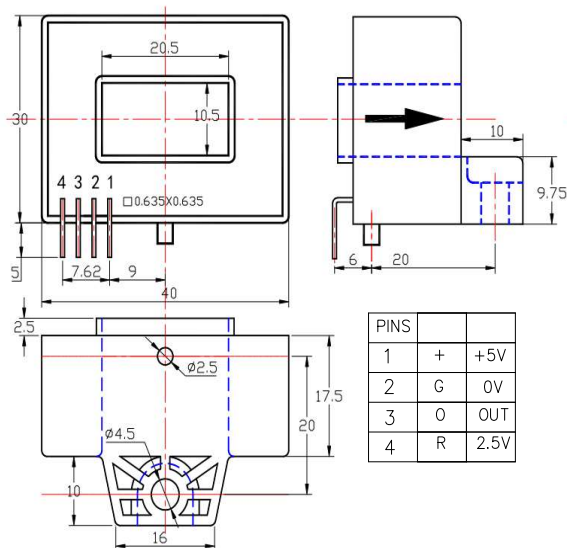
168 TBC-BP



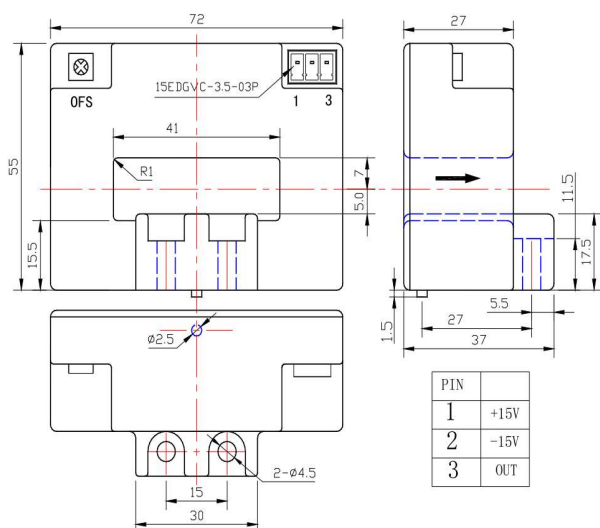
169 TBC-BPR51



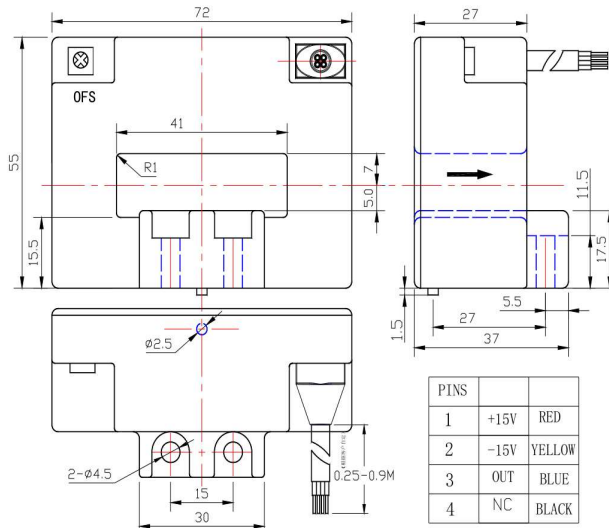
170 TBC-BPR565



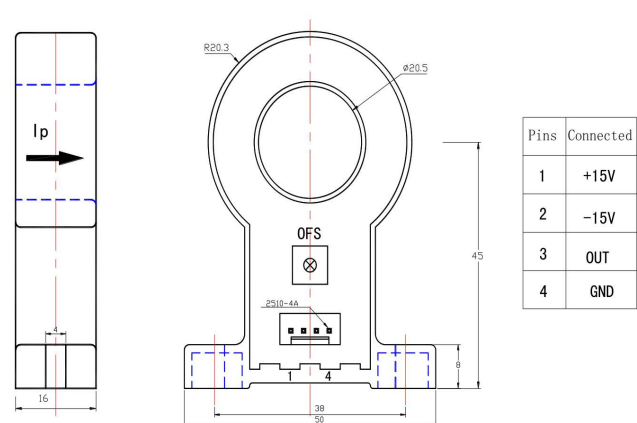
171 TBC-F



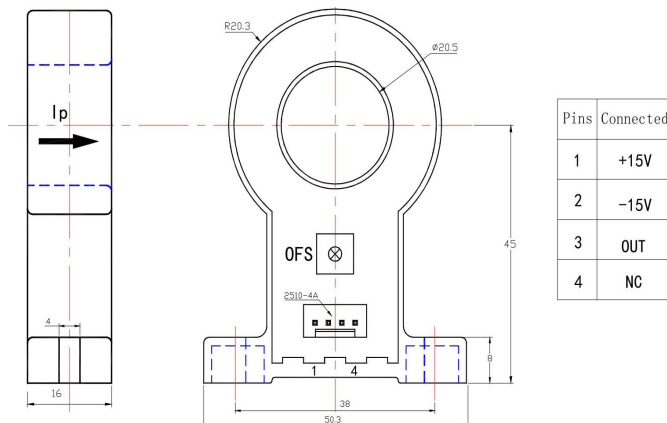
172 TBC-FR



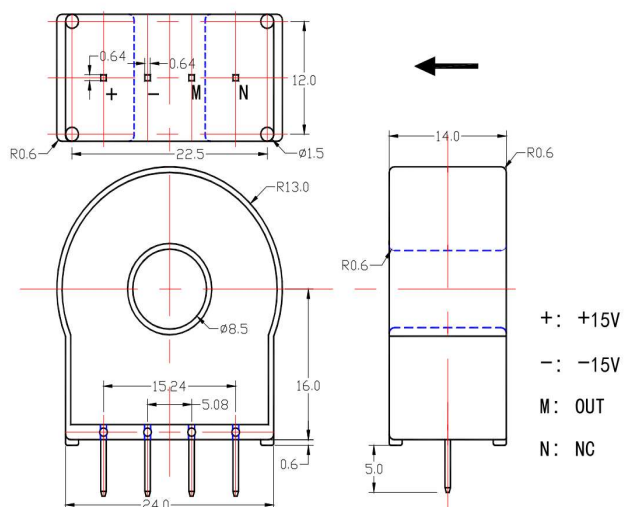
173 TBC-E



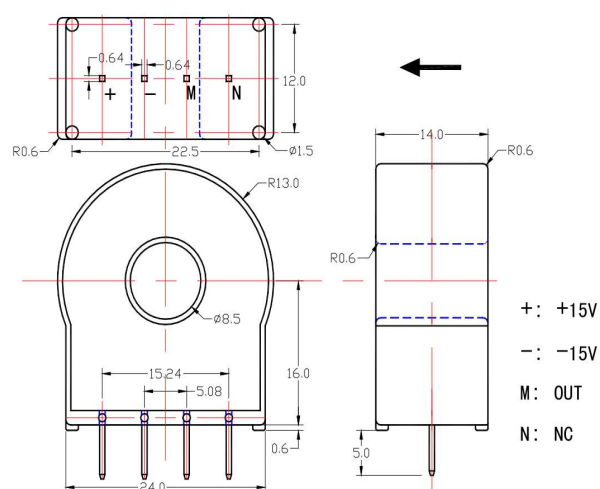
174 TBC-EMA



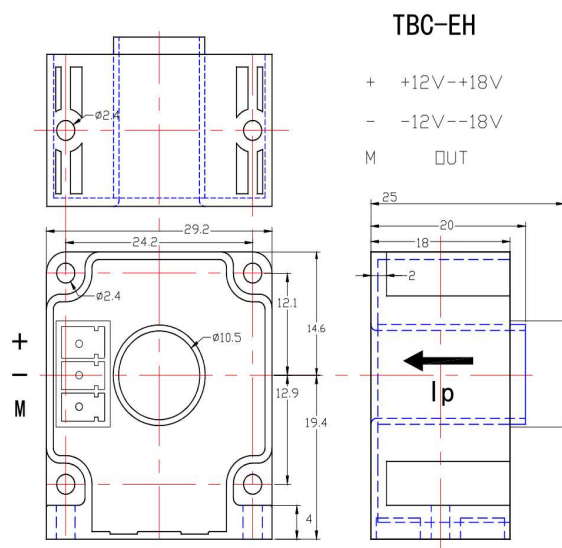
175 TBC-ECH



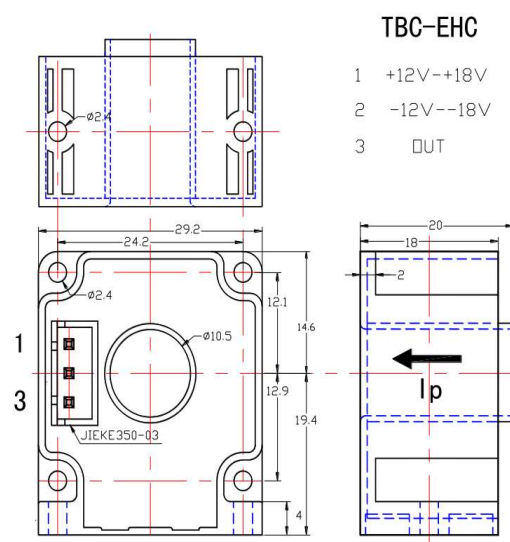
176 TBC-EC



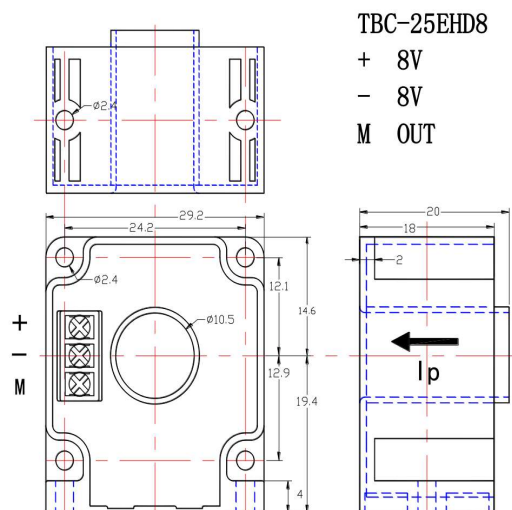
177 TBC-EH



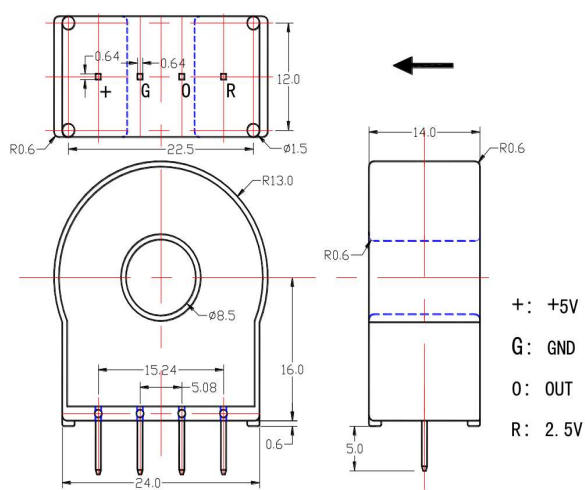
178 TBC-EHC



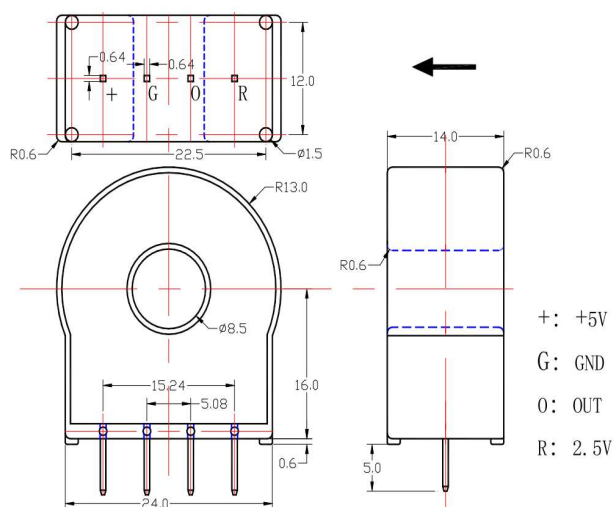
179 TBC-EHD8



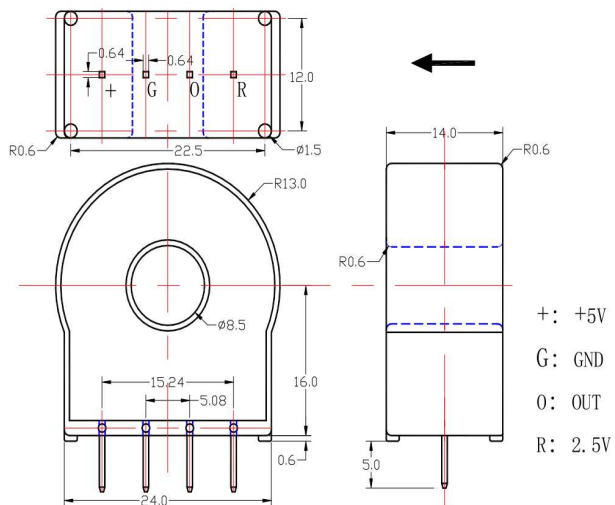
180 TBC-ES5



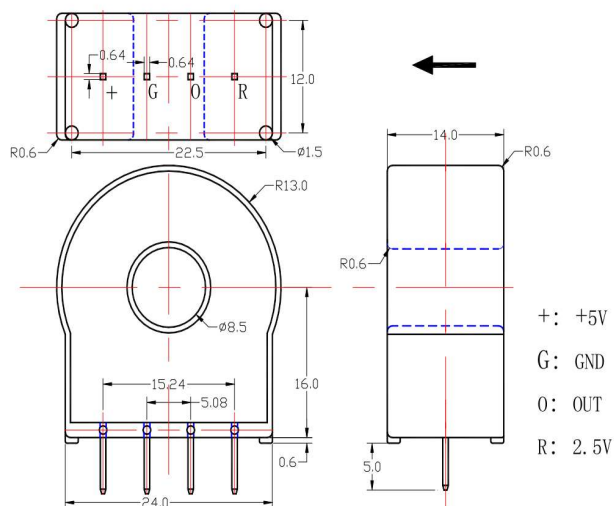
181 TBC-ECS5



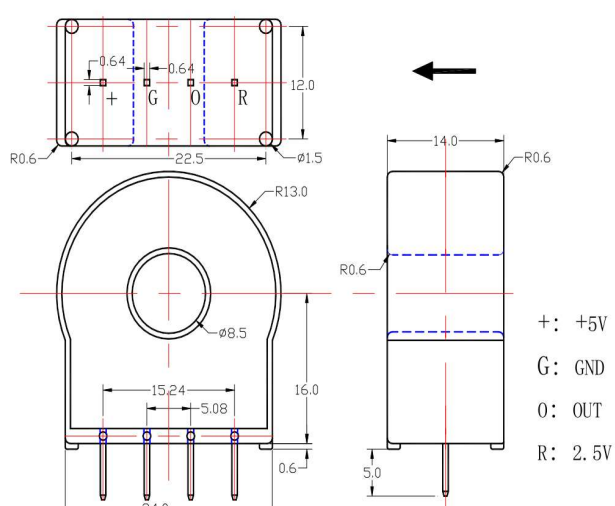
182 TBC-ECS52



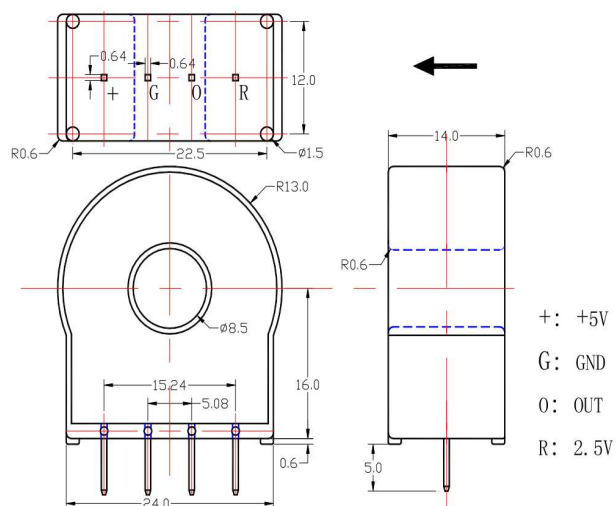
183 TBC-ECS565



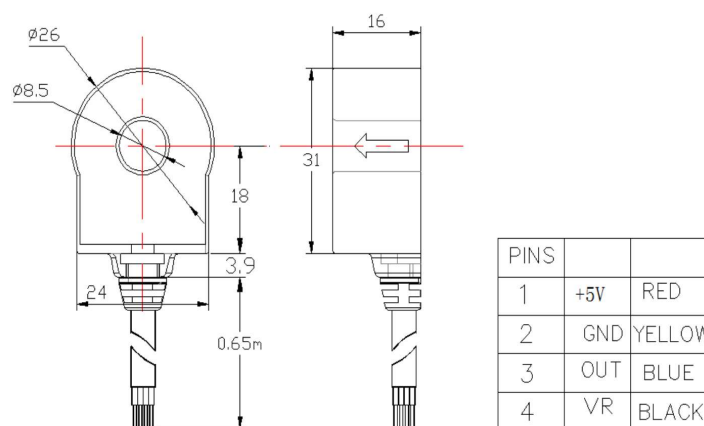
184 TBC-ES52



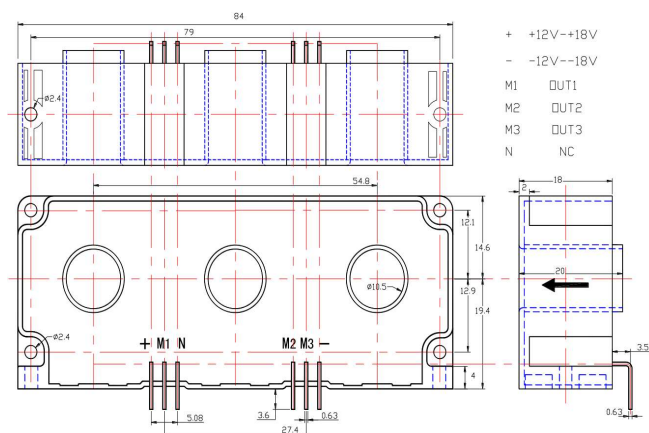
185 TBC-ES565



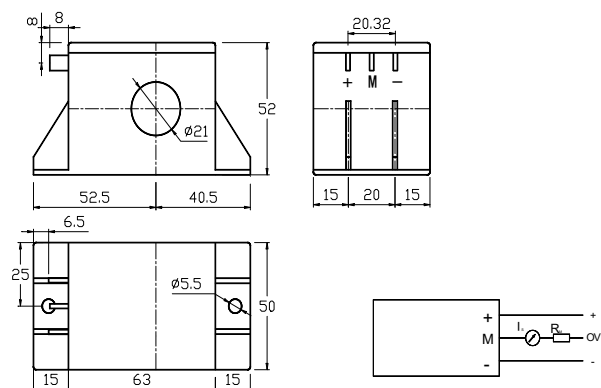
186 TBC-ECS5R



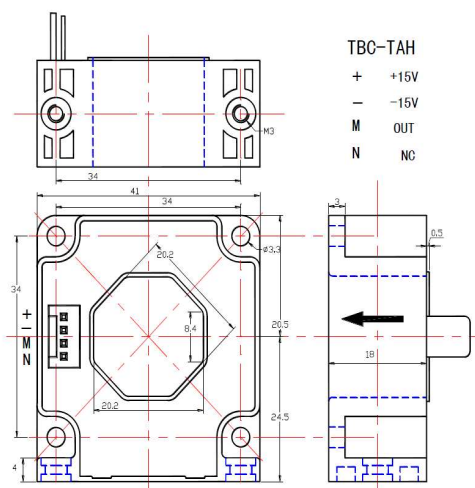
187 TBC-EP3



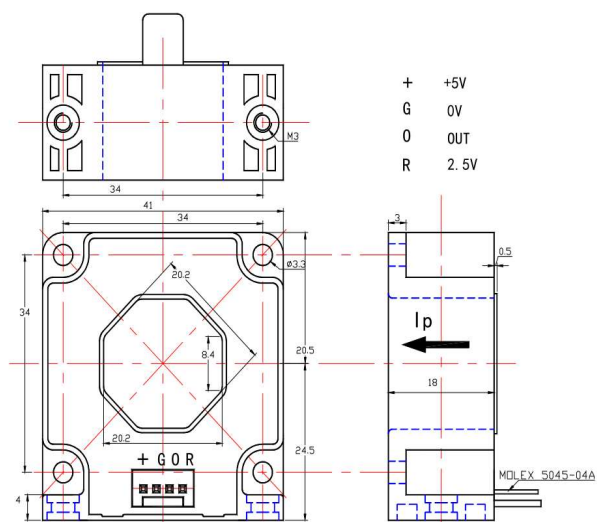
188 TBC-U



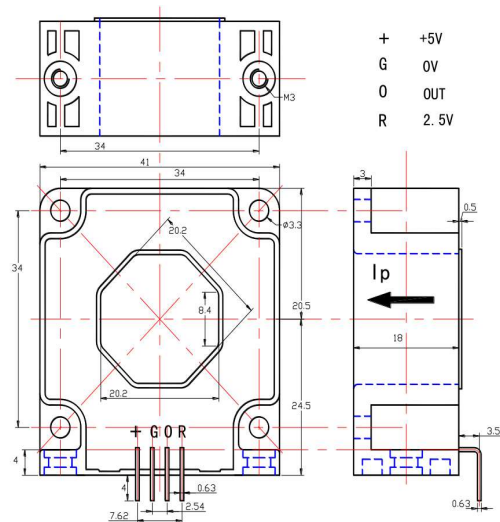
189 TBC-TAH



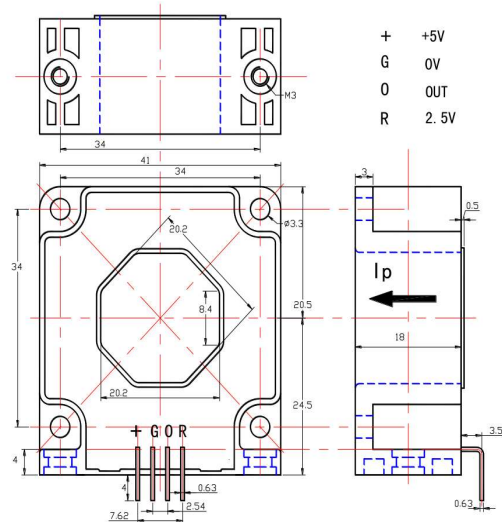
190 TBC-TAS51



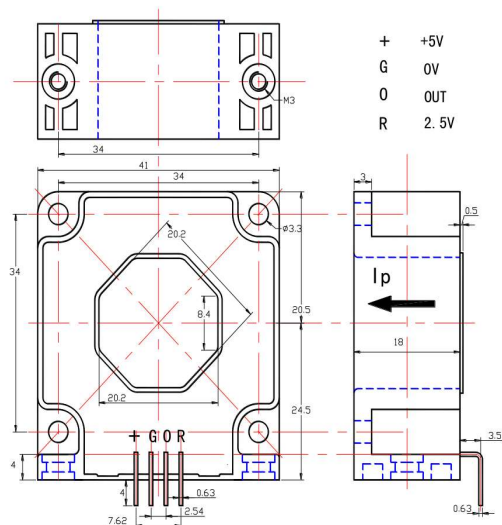
191 TBC-TAS5



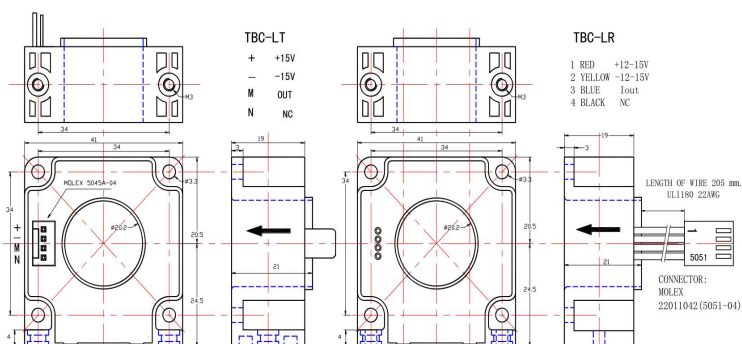
192 TBC-TAS52



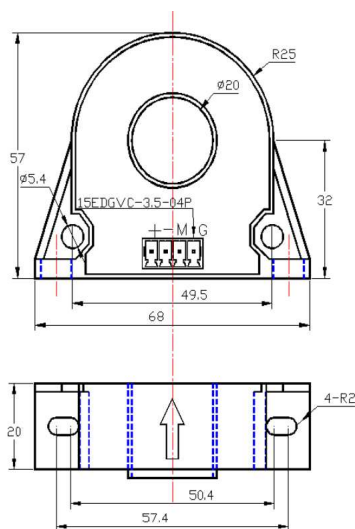
193 TBC-TAS565



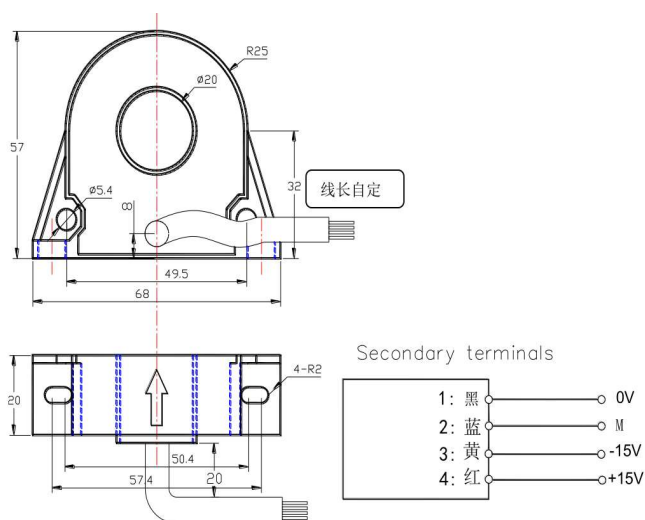
194 TBC-LT TBC-LR



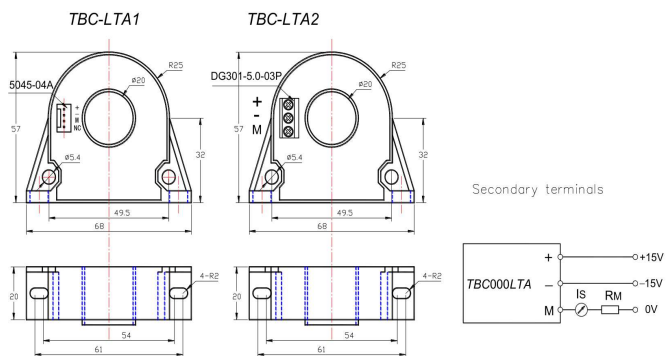
195 TBC-LTA5V-1



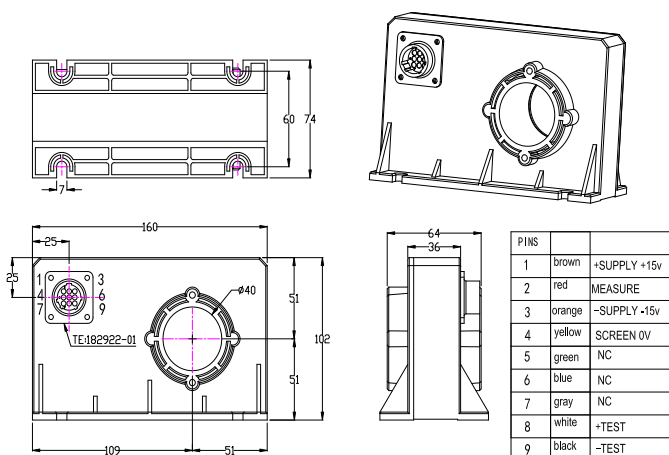
196 TBC-LTAR5V



197 TBC-LTA1 TBC-LTA2

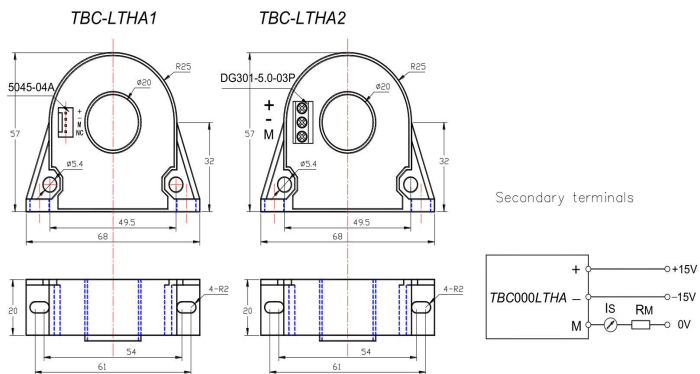


198 TBC-SP



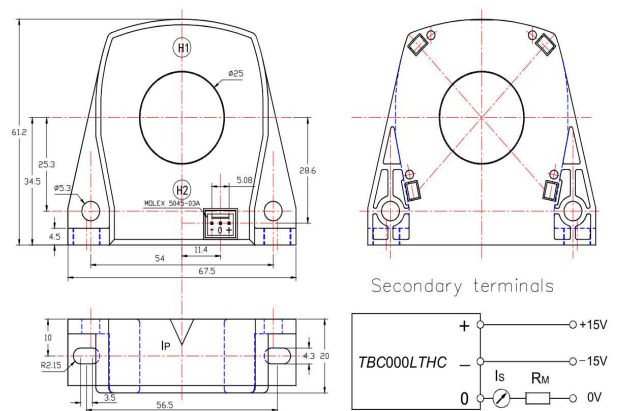
199

TBC-LTHA1 TBC-LTHA2



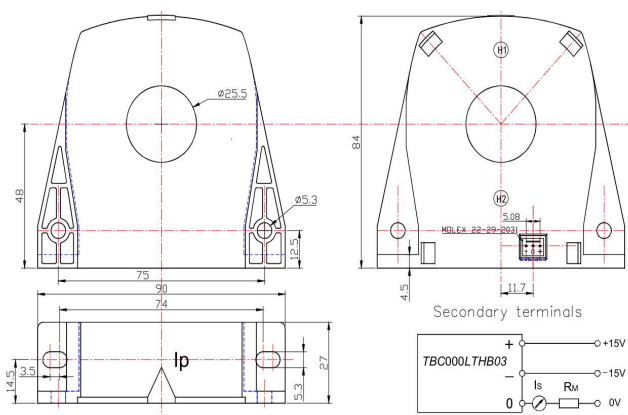
200

TBC-LTHC



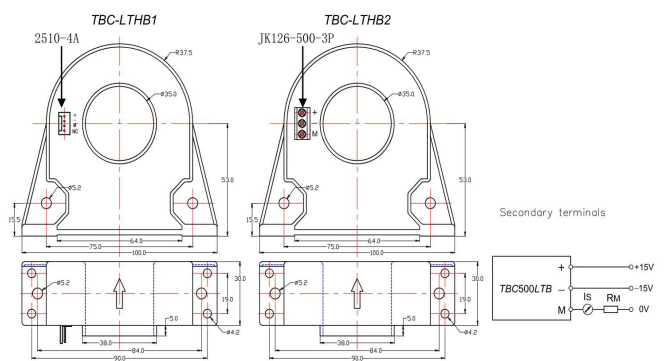
201

TBC-LTHB03



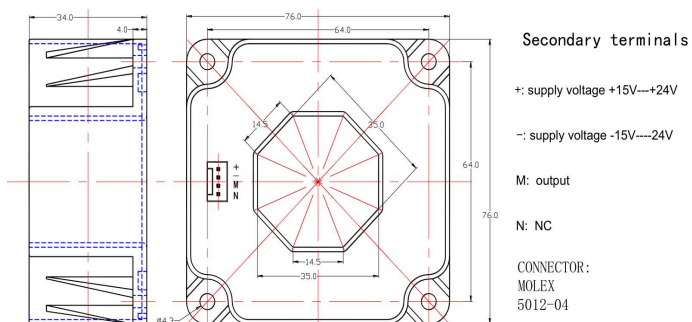
202

TBC-LTHB1 TBC-



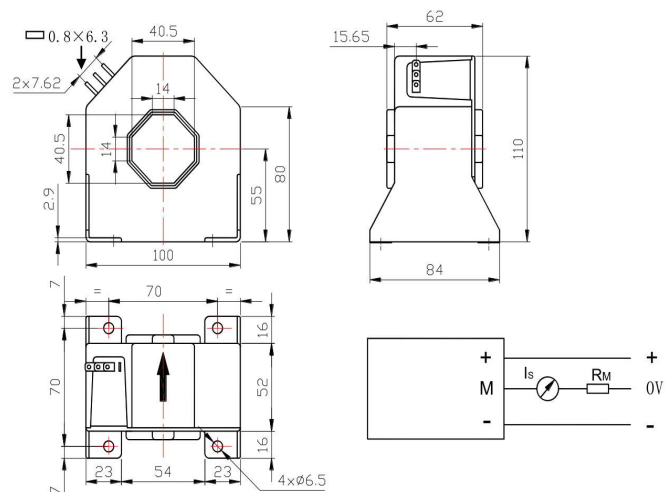
203

TBC-TBH

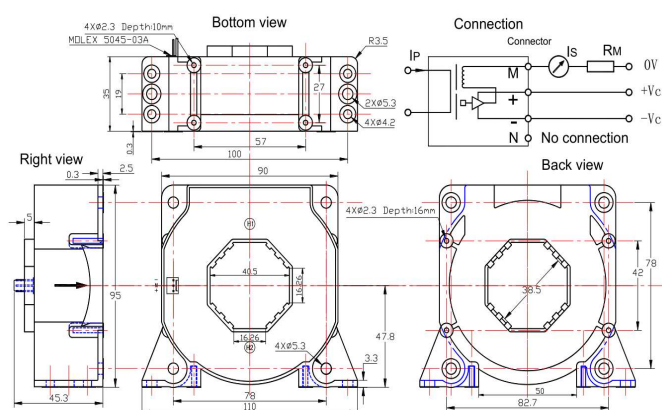


204

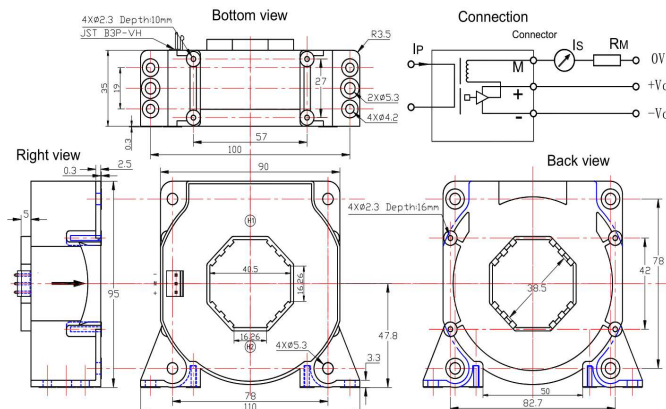
TBC-SH



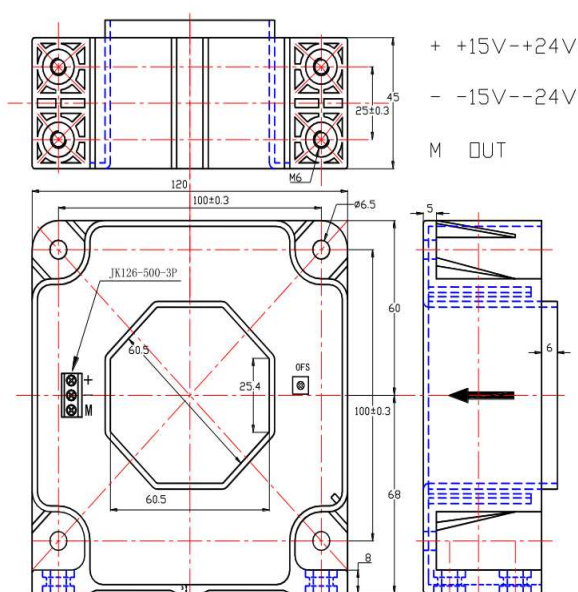
205 TBC1000LFA



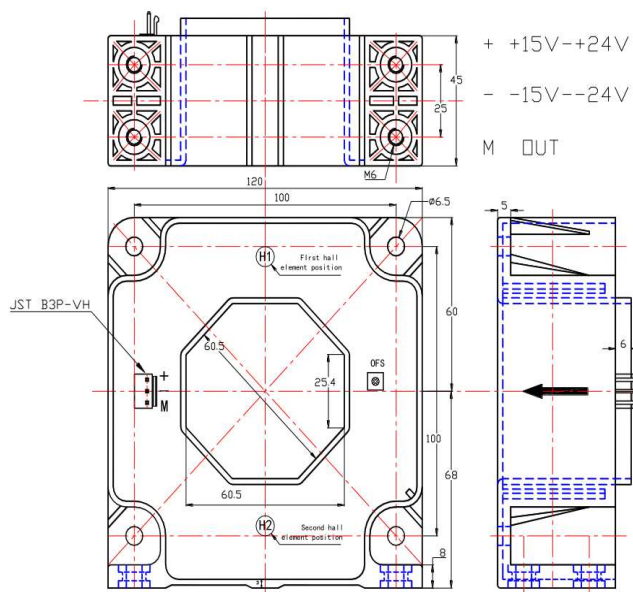
206 TBC1000LFB



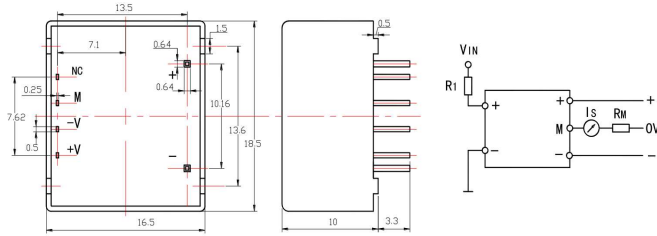
207 TBC2000LFA



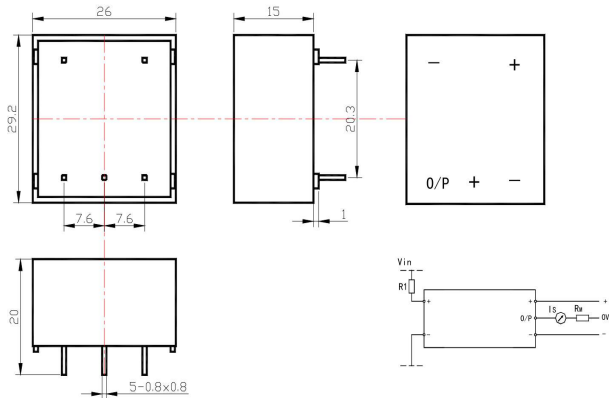
208 TBC2000LFB



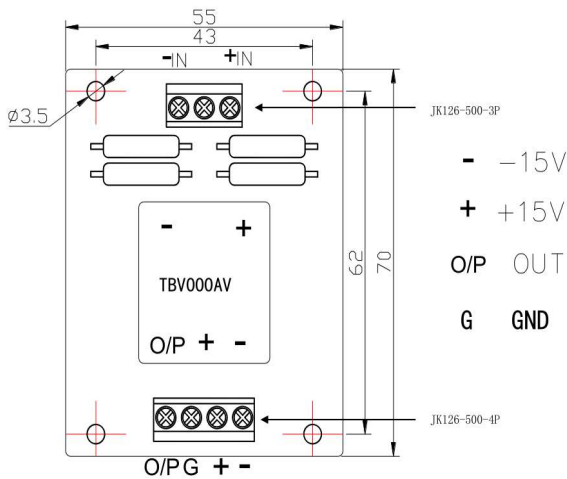
209 TBV10/20X



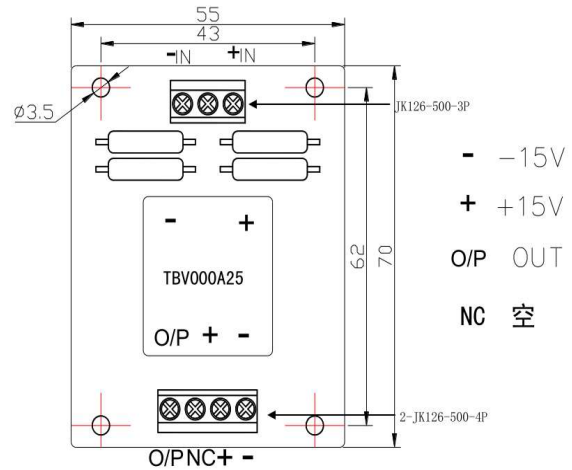
210 TBV5/25A



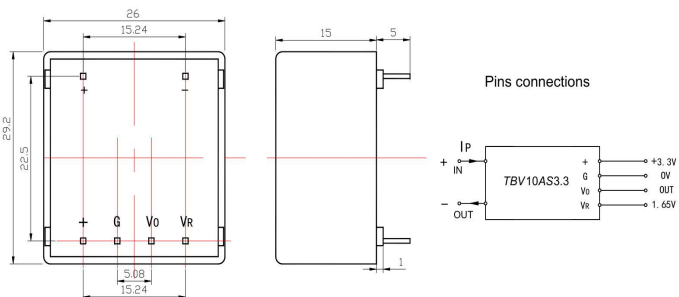
211 TBV-AV



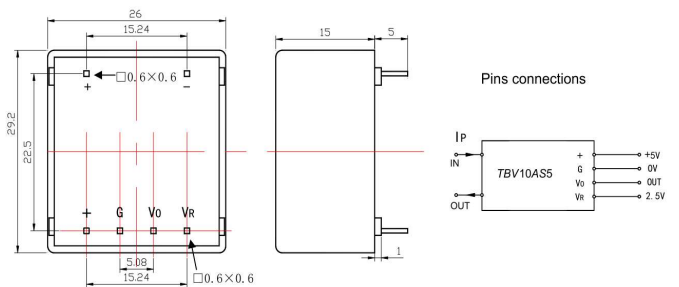
212 TBV-A25



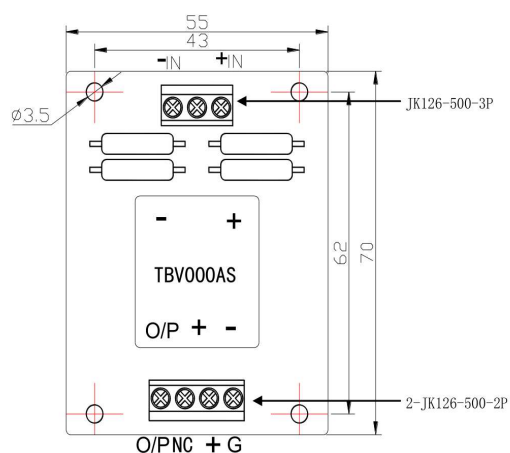
213 TBV05ASR3.3



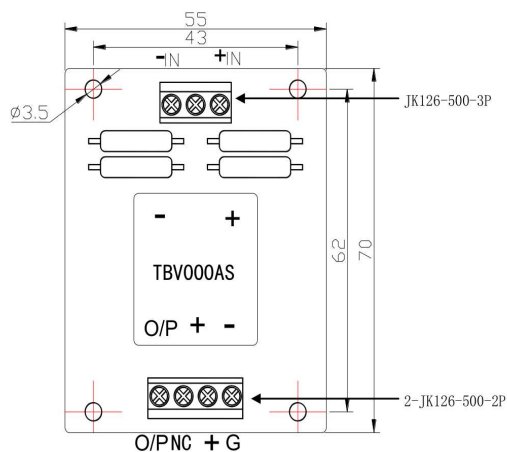
214 TBV05ASR5



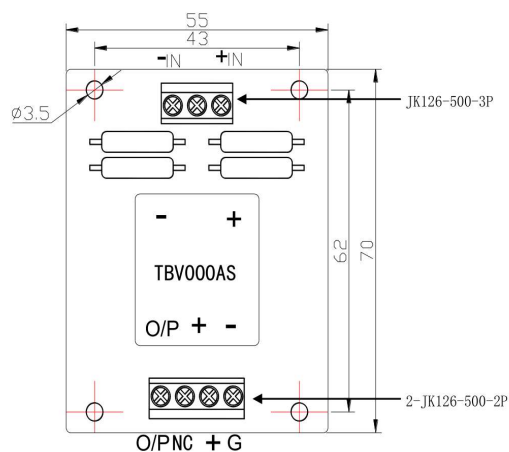
215 TBV-ASR12



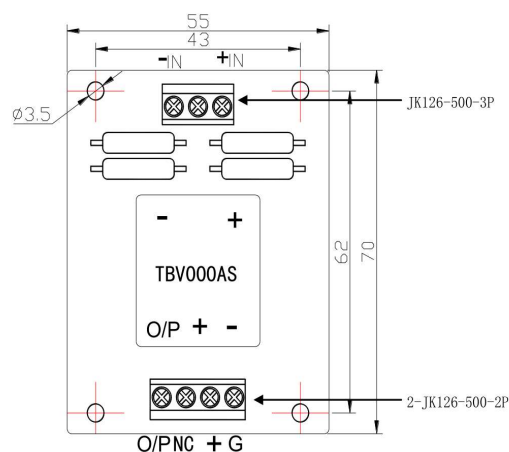
216 TBV-ASR24



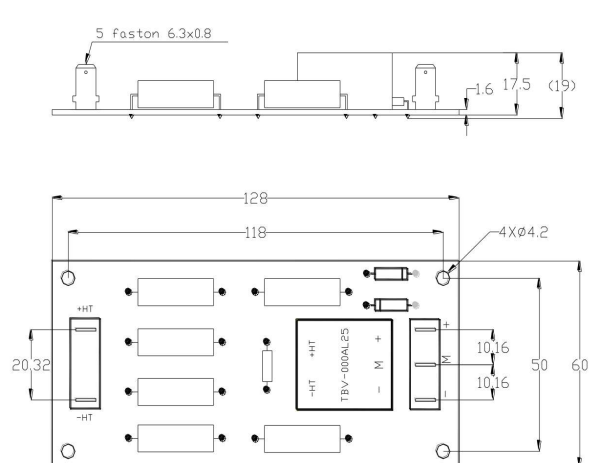
217 TBV-AS12



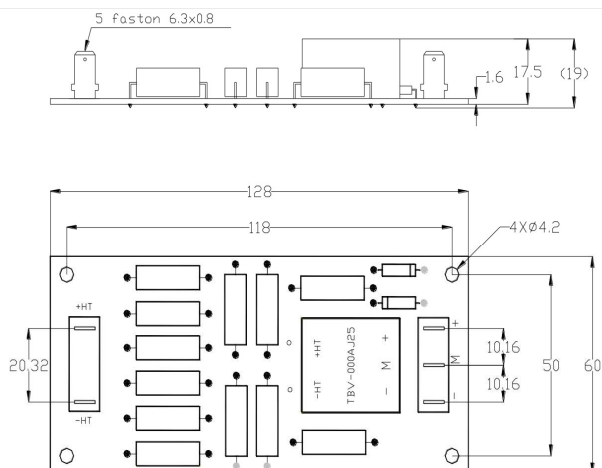
218 TBV-AS24



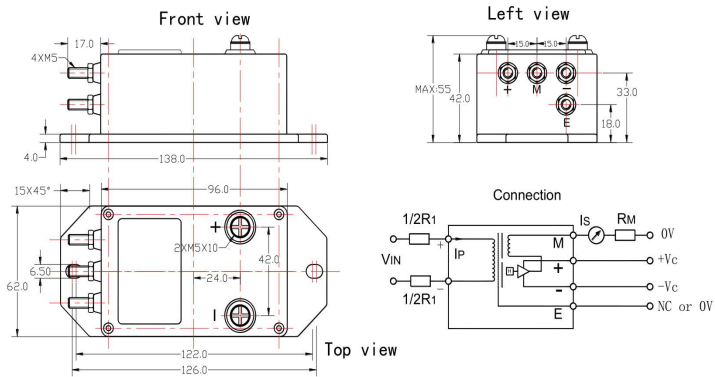
219 TBV-AL25



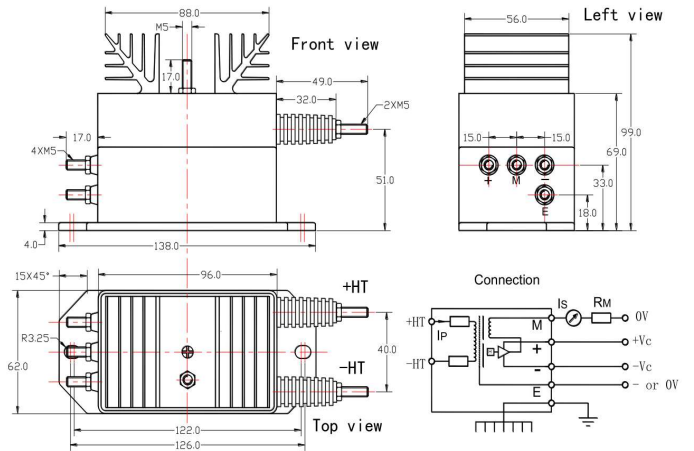
220 TBV-AJ25



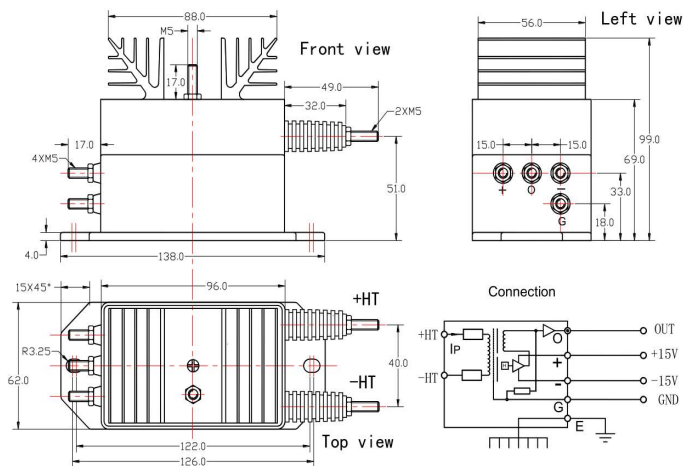
221 TBV10/50LVA



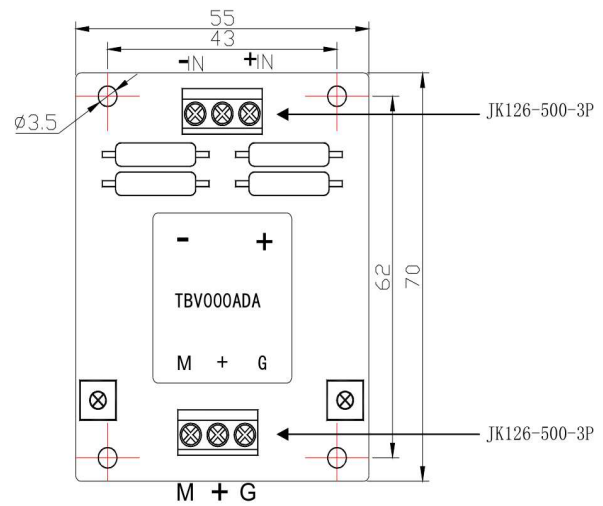
222 TBV-LV



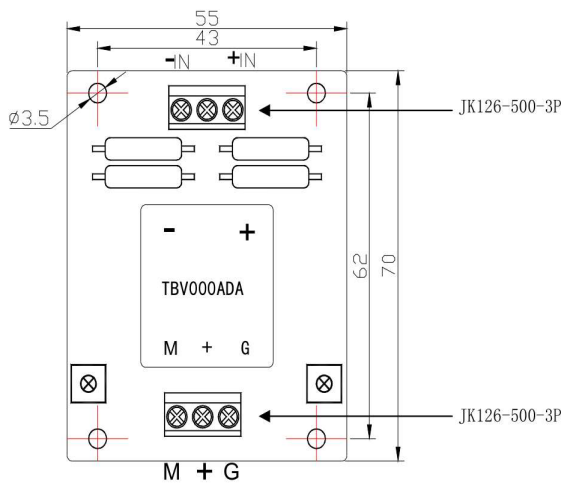
223 TBV-LV5



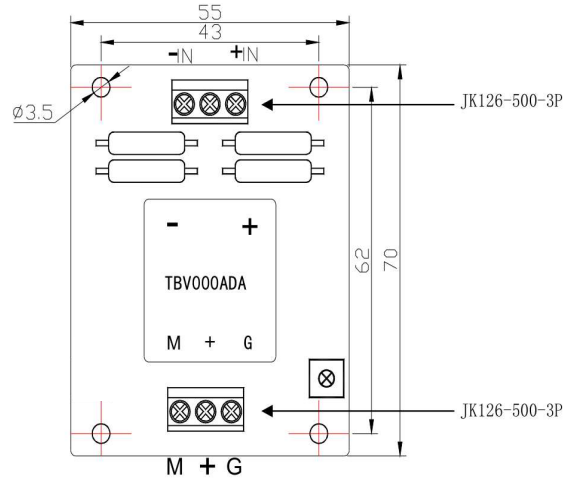
224 TBV-ADA12



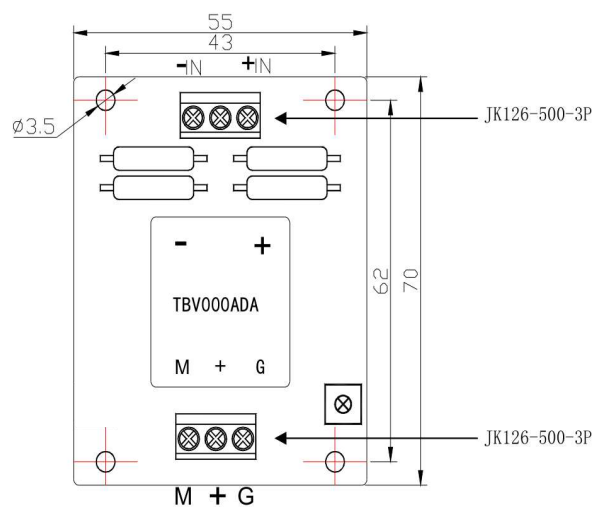
225 TBV-ADA24



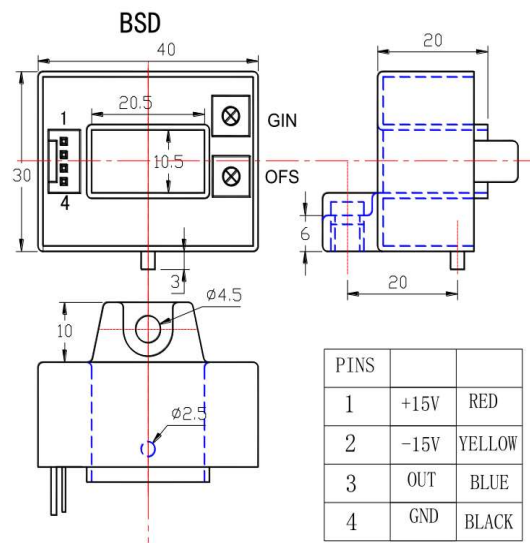
226 TBV-ADA1220



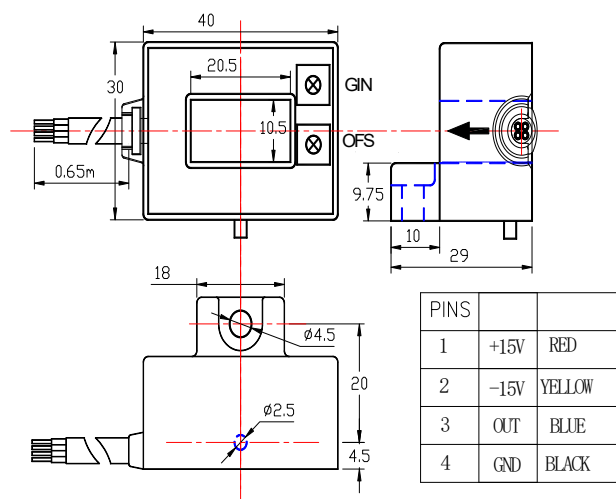
227 TBV-ADA2420



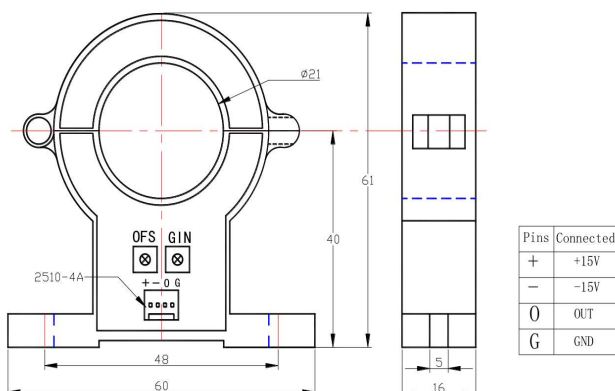
228 TKC-BSD



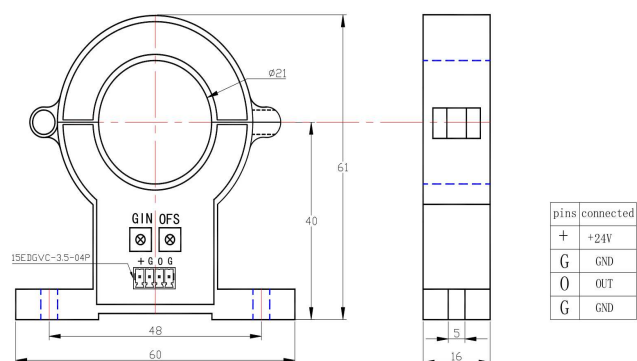
229 TKC-BRD



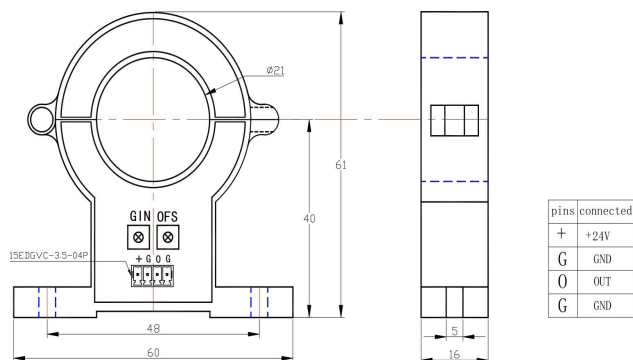
230 TKC-EKAD



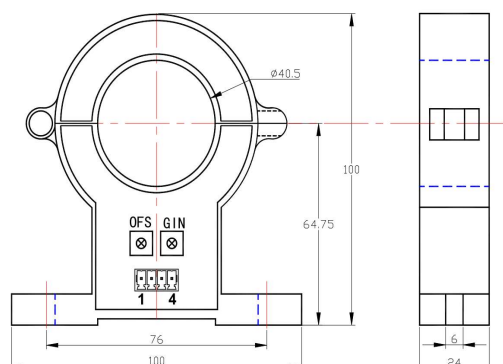
231 TKC-EKADA/12



232 TKC-EKADA/24

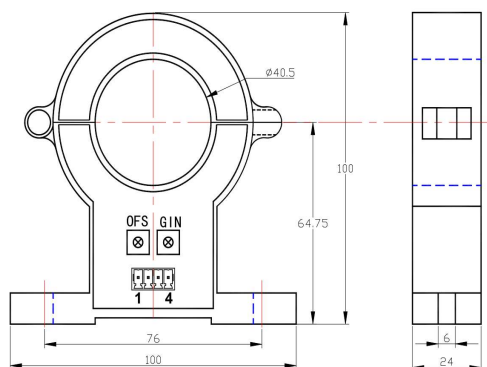


233 TKC-EKBDA/12



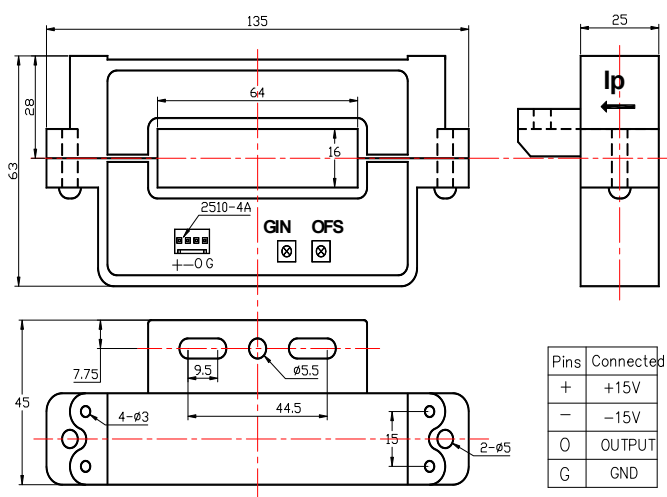
Pins	Connected
1	+24V
2	GND
3	OUTPUT
4	GND

234 TKC-EKBDA/24



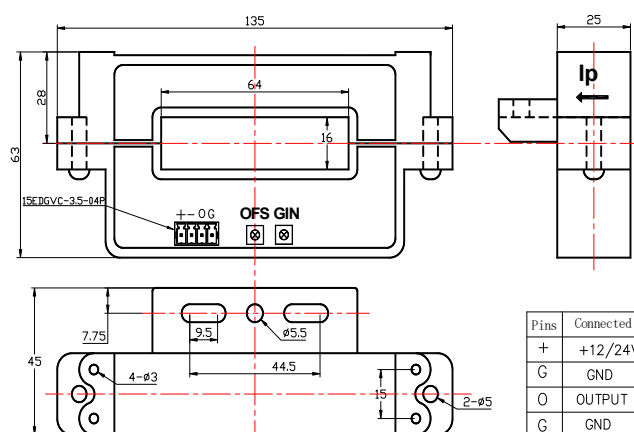
Pins	Connected
1	+24V
2	GND
3	OUTPUT
4	GND

235 TKC-KD



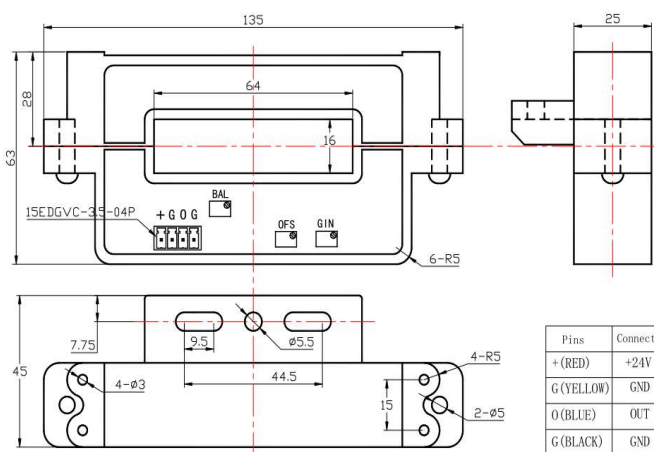
Pins	Connected
+	+15V
-	-15V
O	OUTPUT
G	GND

236 TKC-KDA



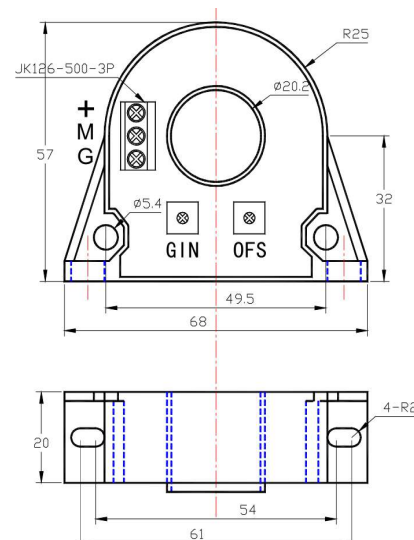
Pins	Connected
+	+12/24V
G	GND
O	OUTPUT
G	GND

237 TKC-KDQT



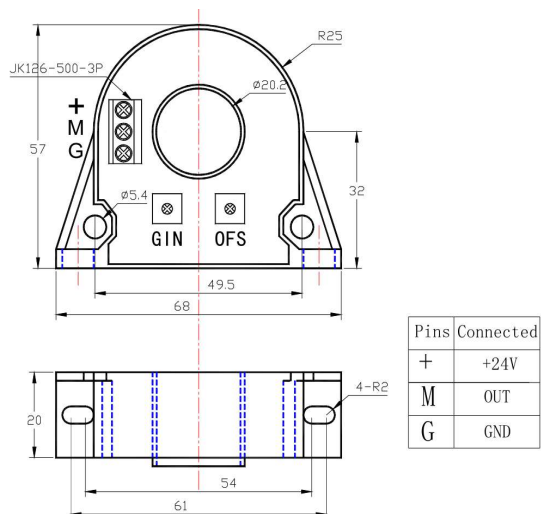
Pins	Connected
+	+24V
G (YELLOW)	GND
O (BLUE)	OUT
G (BLACK)	GND

238 TC-LTAD

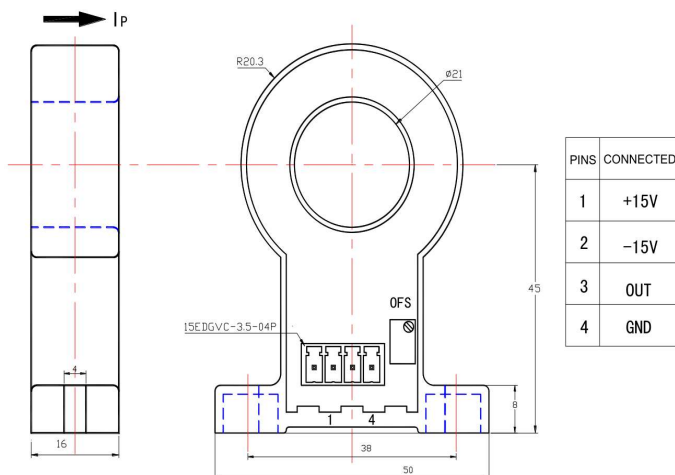


Pins	Connected
+	+24V
M	OUT
G	GND

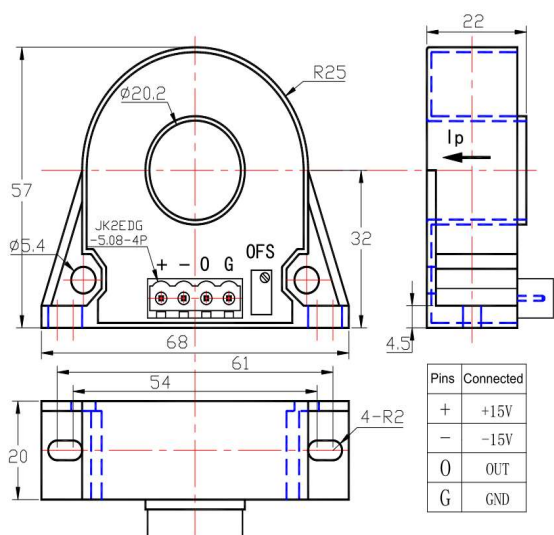
239 TC-LTAD2420



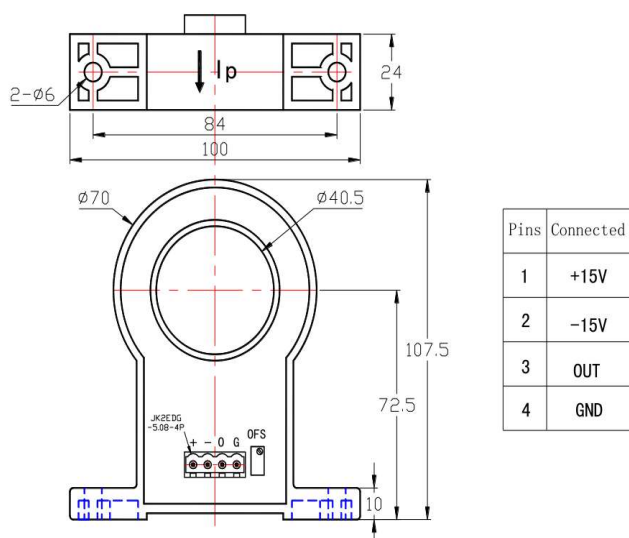
240 TDC-E



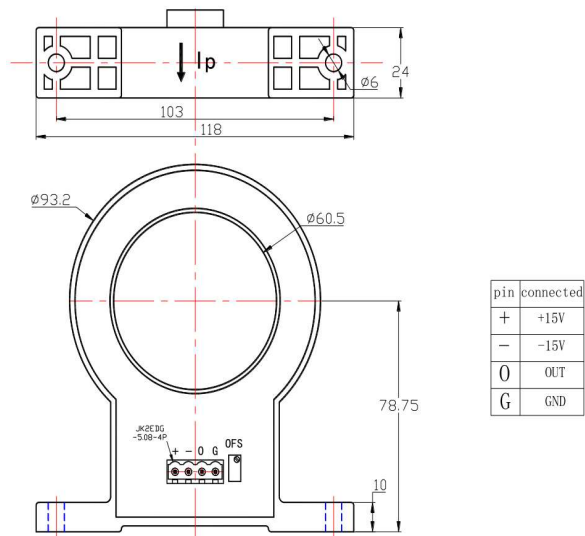
241 TDC-LTA



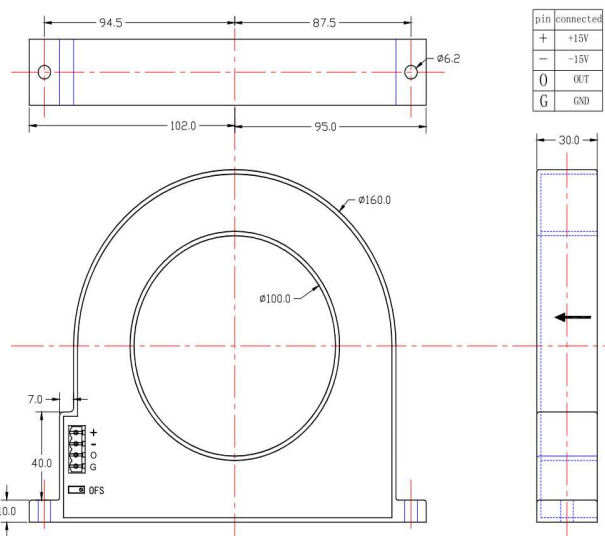
242 TDC-EA



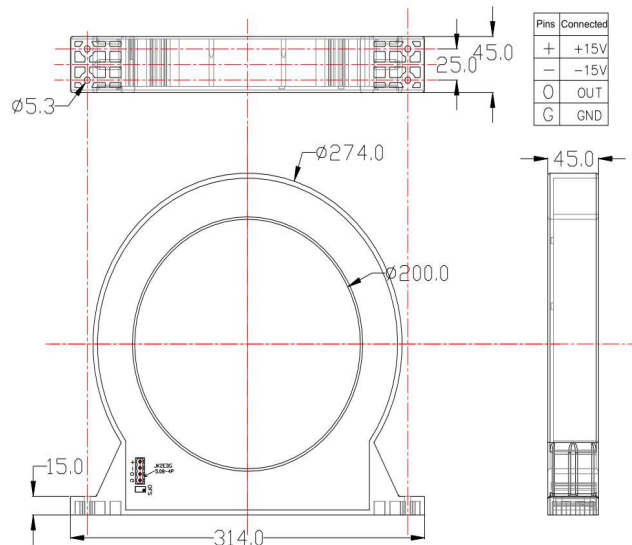
243 TDC-EB



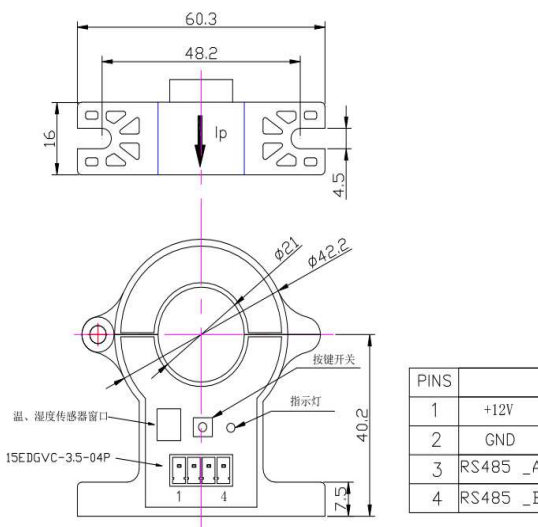
244 TDC-LTC100



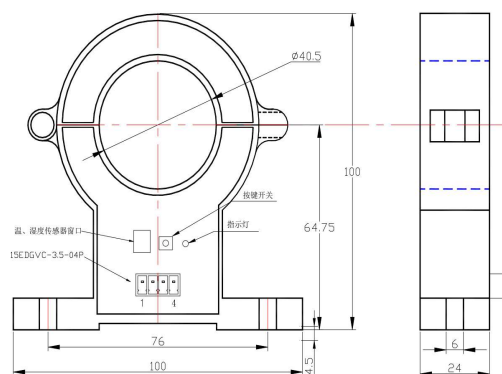
245 TDC-LTC200



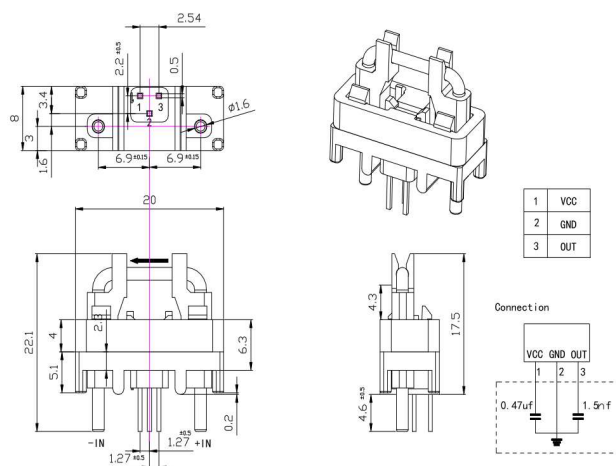
246 TKC-EKAZ数字式开环系列霍尔电流传感



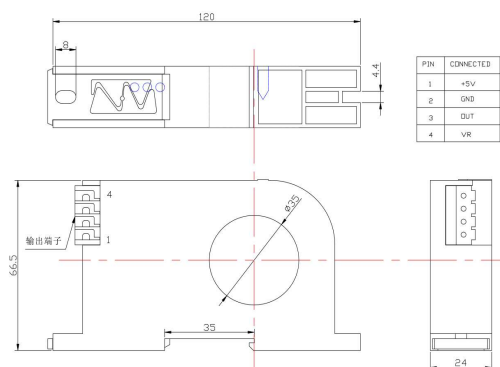
247 TKC-EKBZ数字式开环系列霍尔电流传感



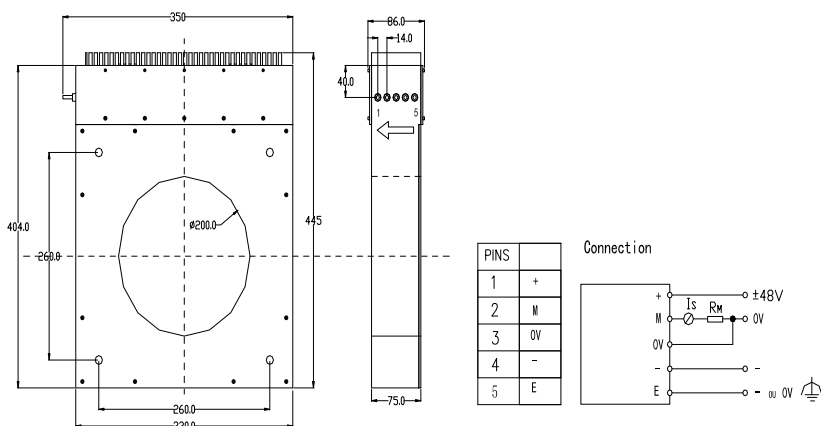
248 TKC-CQ1



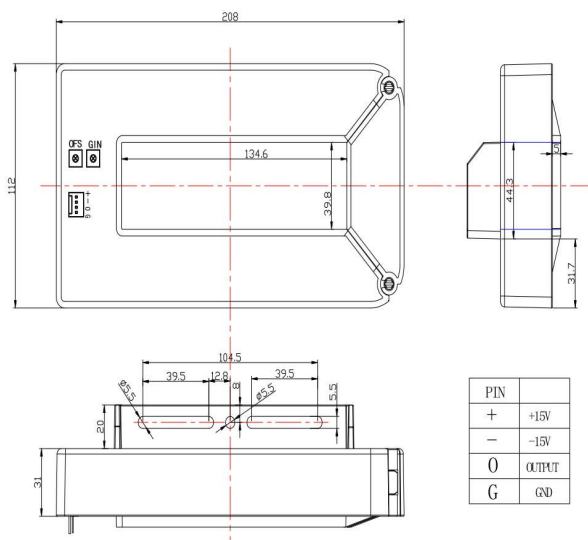
249 TKC-EG51



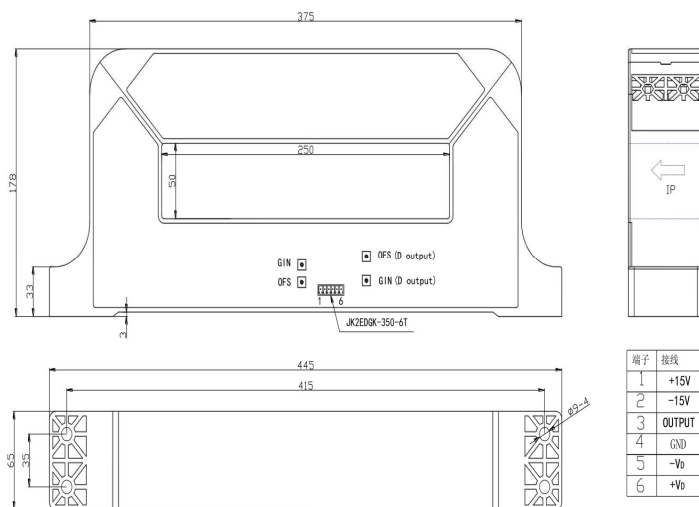
250 TBC10000LT



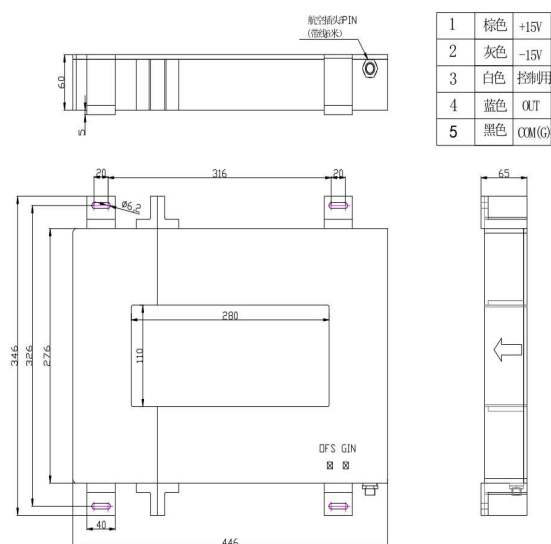
251 TKC-HAK



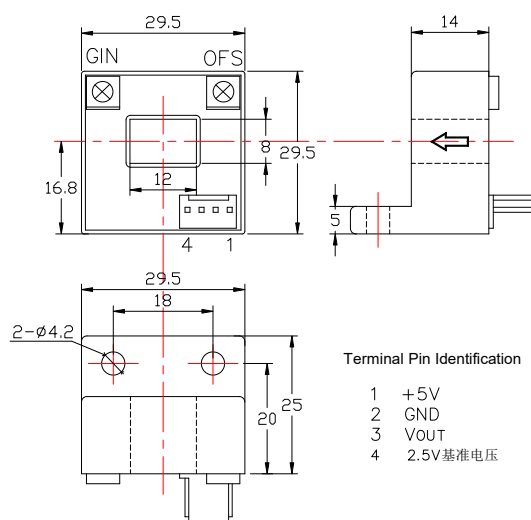
252 TKC-HBZ



253 TKC-HBF



254 TKC-NSR-5D2B1



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