



268X-2
 采用圆型把横管 + 外走线方式
 Round-tube installation+ external wiring method



268X /

选用 PC+ABS 高性能阻燃材料，安全、轻巧、耐用；选用铁氟龙耐高温电线，能适应各种恶劣环境；采用 U 型把横管 + 内走线方式，美观、抗扭强度高、走线安全、不易损坏；霍尔全封闭灌胶工艺，防水达到 IPX7 级；采用油门加双按键的多功能结构，结构紧凑，操作便捷，为更高效的产品组合提供有力的空间基础。

PC+ABS high-performance flame-retardant materials are used, safe, light and durable; Teflon high temperature resistant wires are used, which can adapt to various harsh environments; U-tube installation+ internal wiring method, beautiful, high torsional strength, safe wiring, and not easy to damage; Hall fully enclosed glue filling process, waterproof to IPX7; Adopts multifunctional structure of throttle and double buttons, compact structure, convenient operation, to provide a strong space foundation for more efficient product portfolio.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L67mm W47mm H32mm	工作温度 /Operating Temperature	-20° ~ 60°
重量 /Weight	51g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX7	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



288X /

采用 U 型把横管 + 内走线方式，美观、抗扭强度高、走线安全、不易损坏；霍尔全封闭灌胶工艺，防水达到 IPX7 级；设计冗余系统，双霍尔双磁钢双输出，确保万无一失。

U-tube installation+ internal wiring method, beautiful, high torsional strength, safe wiring, and not easy to damage; Hall fully enclosed glue filling process, waterproof to IPX7; Design a redundant system, dual Hall, dual magnetic steel, dual output, to ensure nothing is lost.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L60mm W30mm H47.6mm	工作温度 /Operating Temperature	-20°C ~ 60°C
重量 /Weight	37g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX7	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥4N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100000 mating cycle



270X /

指拨操控，采用侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证；达到 IPX7 级的最高强悍防水能力（全浸水）

Thumb control, stylish and exquisite; Adopting the side wiring method, it can obey the handlebar pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification; Achieve the highest tough waterproof ability of IPX7 level (full immersion).

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L64mm W44mm H27mm	工作温度 /Operating Temperature	-20°C ~ 60°C
重量 /Weight	38g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX7	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥6N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle





216X /



指拨操控，适配U型管安装；采用内侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；达到IPX4级防水性能；材料环保，RoHS认证。

Thumb control, stylish and exquisite, U-tube installation; The inner wiring method can be used to line the horizontal pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L64mm W24mm H43.5mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	32g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



230X/2 /



指拨操控，适配U型管安装；采用内侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；达到IPX4级防水性能；材料环保，RoHS认证。

Thumb control, stylish and exquisite, U-tube installation; The inner wiring method can be used to line the horizontal pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L65mm W28.5mm H46mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	40g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



130X /



结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS认证。

130X/2 指拨操控更加符合人体工程操作，超大按键区域，手感更加轻盈舒适。

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification. 130X/2 Thumb control ergonomic operation, large button area, light and comfortable.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L60mm W30mm H47.6mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	39g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥4N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100000 mating cycle



106DX /



结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；夹紧式铝合金锁紧环，锁紧更稳固；3档电量显示，电量一目了然；材料环保，RoHS认证。

Simple structure, reliable process and stable performance; High-strength plastic shell; Clamping aluminum alloy locking ring for more stable locking; 3 levels of power display, power at a glance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V/72V
尺寸 /Size	L69mm W69mm H30mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	46g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 53°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥5N.m
芯线 /Wiring	6 Pins	耐久性 /Durability	100,000 mating cycle



108X-L /



结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L46mm W46mm H59mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	47g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX5	旋转角度 /Rotation Angle	0° ~ 65°
材料 /Material	ABS、PA66/GF20	旋转强度 /Spin Intensity	≥5N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



108X-R /



结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L46mm W46mm H59mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	47g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX5	旋转角度 /Rotation Angle	0° ~ 65°
材料 /Material	ABS、PA66/GF20	旋转强度 /Spin Intensity	≥5N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



112DXS+HT375 /



电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；材料环保，RoHS 认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L141mm W84mm H62mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	220g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



188X /



结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证。

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L62mm W33mm H63mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	46g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥4N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



112DX+HT386 /



工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；四挡电量显示，一目了然；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Four levels display at a glance; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	36V/48V/60V
尺寸 /Size	L150mm W31mm H67mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	145g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	6 Pins	耐久性 /Durability	100,000 mating cycle



112X/2+HT386 /



工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L150mm W31mm H67mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	130g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



272X+HT478 /



主体选用PC+ABS 综合性能好 抗冲击强度高；内置轴承 颠覆传统设计 操作顺滑；固定环外置设计 锁紧不影响旋转结构；搭配配套把套，固定环可完美隐藏；内走线设计，整车搭配简洁美观；霍尔全封闭灌胶工艺，防水达到 IP65 级。

the main body uses PC+ABS, which has good comprehensive performance and high impact resistance; the fixed ring is designed externally, and the locking does not affect the rotating structure; with the matching grip cover, the fixed ring can be perfectly hidden; the internal wiring design, the whole vehicle is simple and beautiful; Hall fully enclosed glue filling process, waterproof to IP65 level.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L67mm W40mm H46mm	工作温度 /Operating Temperature	-20° ~ 60°
重量 /Weight	62g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IP65	旋转角度 /Rotation Angle	0° ~ 50°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



298X+T246 /



适配 U 型管安装；铁氟龙耐高温电线，适应各种恶劣环境；并排双霍尔，自动检索备用切换，达更高安全系数；采用密封件密封内部活动区域，达到 IP67 级尘密性能；电器部件全密封灌胶，达到 IPX7 级的最高强悍防水能力（全浸水）。

U-tube installation; Teflon high temperature resistant wire, adapt to various harsh environments; Double Hall side by side, automatic retrieval and standby switching, achieving higher safety factor; Using seals to seal the internal active area to achieve IP6 dust tight performance; Electrical components are fully sealed and filled with glue, reaching the highest IPX7 level of strong waterproof capability (full water immersion).

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L140.5mm W50mm H58mm	工作温度 /Operating Temperature	-20° ~ 60°
重量 /Weight	95g	电线拉脱力 /Wire Tension	≥60N
防水 /Waterproof	IP67	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	6 Pins	耐久性 /Durability	100,000 mating cycle



122DX+HT418 /



电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；4档电量显示，电量一目了然，欠压提醒；材料环保，RoHS 认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; 4 levels of power display, power at a glance, under voltage reminder; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L150mm W66mm H85mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	130g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	6 Pins	耐久性 /Durability	100,000 mating cycle



122DX/4+HT450 /



电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；模拟液晶显示效果，显高档；材料环保，RoHS 认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Simulation of LCD display effect, looks upscale; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L149mm W66mm H85mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	209g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	9 Pins	耐久性 /Durability	100,000 mating cycle



122DX/2+HT386 /



电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；4档电量显示，电量一目了然，欠压提醒；材料环保，RoHS 认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; 4 levels of power display, power at a glance, under voltage reminder; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L150mm W66mm H85mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	110g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	6 Pins	耐久性 /Durability	100,000 mating cycle



198X+HT386 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L130mm W62.5mm H50mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	130g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、PVC	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



158X+HT406 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L136.5mm W36mm H43mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	100g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle



160X+HT406 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L138.5mm W41.5mm H55mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	105g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle



162DX+HT406 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；3 档电量显示，电量一目了然，欠压提醒；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; 3 levels of power display, power at a glance, under voltage reminder; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L139mm W47mm H56mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	110g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	7 Pins	耐久性 /Durability	100,000 mating cycle



158X/2+HT430 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L136.5mm W50mm H50mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	105g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle

160X/2+HT428 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L137.5mm W62mm H50mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	110g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle

FT158X+HT420 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L138.5mm W43.1mm H37mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	100g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	3 Pins	耐久性 /Durability	100,000 mating cycle

FT160X+HT420 /



工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS	电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
尺寸 /Size	L139mm W41.5mm H55mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	105g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	5 Pins	耐久性 /Durability	100,000 mating cycle

FT162DX+HT420 /



高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；3 档电量显示，电量一目了然，欠压提醒；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; 3 levels of power display, power at a glance, under voltage reminder; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS	电压 /Voltage	24V/36V/48V/60V
尺寸 /Size	L136.5mm W50mm H50mm	工作温度 /Operating Temperature	-20°C~ 60°C
重量 /Weight	105g	电线拉脱力 /Wire Tension	≥130N
防水 /Waterproof	IPX4	旋转角度 /Rotation Angle	0° ~ 70°
材料 /Material	PC+ABS、TPR	旋转强度 /Spin Intensity	≥9N.m
芯线 /Wiring	7 Pins	耐久性 /Durability	100,000 mating cycle