



# 2024

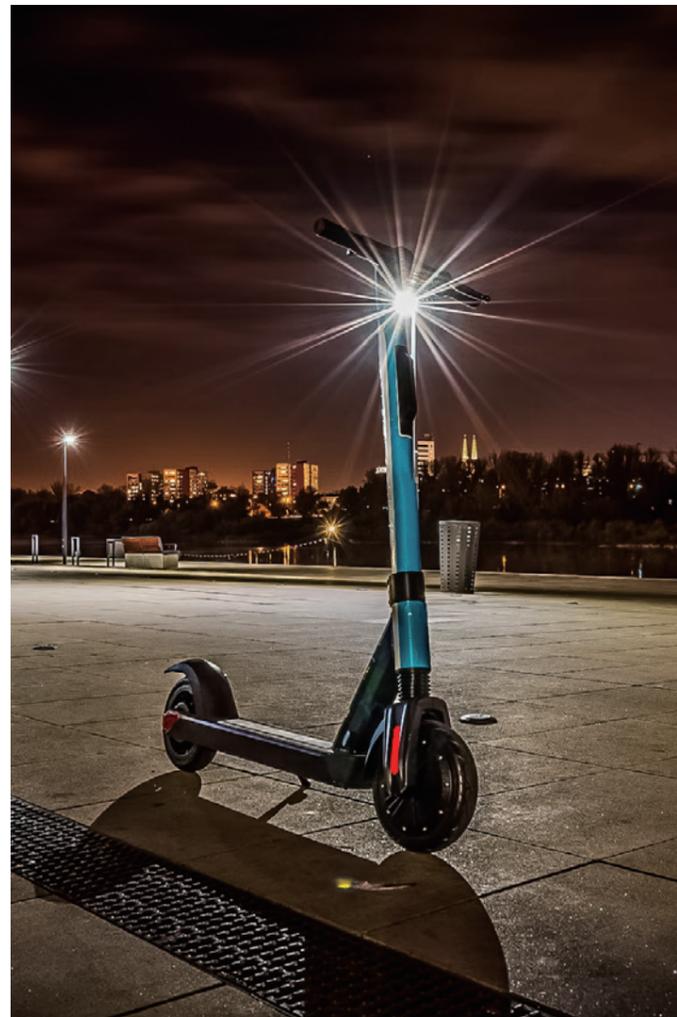
## EN-EBIKE PRODUCTS CATALOG

欧标产品目录册





**E.E.E**  
Ebike E-components Expert  
电动两轮零件专家



# COMPANY PROFILE

## 公司介绍

### 历史：

1985 年创立

1992 年进军自行车领域，

1997 年专注于电动自行车零部件的设计研发、生产制造与营销。

2010 年成立高端事业部，完全独立的研产销团队、全新优化的配套体系，以欧美标准为定位服务于一线品牌。

### 规模：

四个公司：五星车业、五星（天津）、浙江图谱、星联（德国）

七个事业部：欧标事业部，国标事业部，车灯事业部，碟刹事业部，动力系统事业部，仪表事业部、高端事业部

三个制造基地：五星国标厂、五星欧标厂、五星天津

三个品牌：star union wuxing、wuxing、Topology

一个集团化的统一经营管理中心

职工 1300 余人，其中研发与技术人员 125 余人、品控人员 90 余人，生产与供应及后勤保障人员 400 余人。

### 产品：

四大车型配件：助力车、微型车、国标车、电摩

全系产品：中置电机、轮毂电机、控制器、仪表、液压碟刹、电控开关、断电式刹把、LED 前后灯具、调速转把等电装类产品与一站式解决方案。

### 销售网络：

在德国法兰克福、台湾台中、越南河内、天津、无锡、深圳、金华永康、台州、成都等国内外地区建立多个销售公司 & 营业据点，同时还拥有线上阿里巴巴网络订购服务与销售平台，服务全球优质客户 430 余家。

### 研发能力：

公司具有九大项目的研发团队和专业的研发技术能力，拥有众多的工业设计、结构工程、软件工程、电子硬件工程、生产技术工程、光学工程、品管工程人员。

拥有发明、实用新型、外观等专利 300 余项。是中国两轮行业中第一家也是目前唯一一家拥有 CNAS 实验室的零件企业。

### 愿景：

我们以做全球两轮界电装系统知名品牌为企业愿景、以绿色出行创造完美体验为使命、争做百年企业，标杆性企业，为行业的成长与提升作出应有的努力。

- Established in 1985, entered bicycle industry in 1992.
- Engaged in design, manufacturing and marketing of electric bicycle parts and components since 1997.
- "Star Union" established in 2010 as independent high-end business division with specialized teams for research, marketing and production.
- Four manufacturing bases, three brands, over 1300 employees.
- Products include electric bicycles, mini e-scooters, GB e-bikes, and electric motorcycles.
- Over 300 patented inventions and CNAS laboratory.

39  
YEARS  
PROFESSIONAL  
QUALITY



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# HALL SENSOR THROTTLES /

霍尔转把

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar Clamping loop with firm locking performance; Conforming to ergonomic operation, light and comfortable, strong holding power, Perspiration; Environmental material, RoHS certification.

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；符合人体工程操作，手感轻盈、舒适、握着力强，排汗；材料环保，RoHS 认证。

## HALL SENSOR THROTTLES

### 366ZX /

指拨操控，外形时尚、精致；PC/ABS 高强度塑胶外壳，轻巧、耐用；采用外走线，随意配套；铁氟龙耐高温电线，适应各种恶劣环境；达到 IPX7 级防水性能；指拨整体抗扭强度加强后可达 12N.m.

Thumb control with fashion design, exquisite; PC/High strength ABS shell, light, durable; External wiring is adopted, free matching and non-interference; Teflon high temperature resistant wire, suitable for various environments; Reach IPx7 waterproof ability; The overall torsional strength of fingertip can reach 12N. m after strengthening.

标准 /Approval	RoHS
尺寸 /Size	L66.5mm W31.5mm H46mm
重量 /Weight	50g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS、TPR
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥12N.m
耐久性 /Durability	100,000 mating cycle



NEW

### 360DX+HT526 /

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，欠压提醒；达到 IPX5 级防水性能；材料环保，RoHS 认证；**适用儿童车，把横管 φ19。**

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; 3 Speed levels, low voltage alarm; IPX5 waterproof ability; Environmental material, RoHS certification; **Apply on children bike with φ19 handlebar size.**

标准 /Approval	RoHS
尺寸 /Size	L135mm W67mm H68mm
重量 /Weight	112g
防水 /Waterproof	IPX5
材料 /Material	ABS
芯线 /Wiring	6 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥120N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥12N.m
耐久性 /Durability	100,000 mating cycle



NEW

## HALL SENSOR THROTTLES

### 350ZX/4 /

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 IPX7 级防水性能；指拨整体抗扭强度加强后可达 12N.m。

Suitable for U handlebar; The inner wiring mode is adopted, and the horizontal pipe can be arranged in compliance, which is more beautiful; Teflon high temperature resistant wire, suitable for various environments; Reach IPX7 waterproof ability; The overall torsional strength of fingertip can reach 12N. m after strengthening.

标准 /Approval	RoHS
尺寸 /Size	L65mm W28.5mm H46mm
重量 /Weight	40g
防水 /Waterproof	IPX7
材料 /Material	PC+ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥12N.m
耐久性 /Durability	100,000 mating cycle



NEW

### 300X /

产品外观简洁硬朗、符合人体工程操作、手感轻盈、舒适；主体选用 PA+GF 合金材料，综合性能好、抗冲击强度高；开放式锁紧结构，操作方便；达到 IPX5 级防水性能；材料环保，RoHS 认证。

Simple and strong structure, conforms to human engineering operation, and feels light and comfortable; The main body is made of PA+GF alloy material with good comprehensive performance and high impact strength; Open locking design for easy assemble on Handlebar; Reach IPX5 waterproof ability; Environmental, and RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L67.5mm W24mm H55mm
重量 /Weight	35g
防水 /Waterproof	IPX5
材料 /Material	PA+GF
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥5N.m
耐久性 /Durability	100,000 mating cycle



NEW

### 336X/2+HT375 /

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；采用外走线，随意配套，不干涉；采用三档开关，随意控制电源等功能；达到 IPX5 级防水性能。

Removable side cover, easy for maintenance; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; External wiring is adopted, free matching and non-interference; Three level switch is used to control power supply and other functions; Reach IPX5 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L66mm W63mm H49mm
重量 /Weight	95g
防水 /Waterproof	IPX5
材料 /Material	ABS+PC
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



NEW

### 336X+HT375 /

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；采用外走线，随意配套，不干涉；采用两档开关，随意控制电源等功能；达到 IPX5 级防水性能。

Removable side cover, easy for maintenance; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; External wiring is adopted, free matching and non-interference; Two level switch is used to control power supply and other functions; Reach IPX5 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L66mm W63mm H49mm
重量 /Weight	94g
防水 /Waterproof	IPX5
材料 /Material	ABS+PC
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



NEW

## HALL SENSOR THROTTLES

### 298X+HT246+T246 /

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；铁氟龙耐高温电线，适应各种恶劣环境；采用双磁钢双霍尔设计，使用寿命更长；达到 IPX7 防尘防水性能；材料环保，RoHS 认证。

High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant wire, suitable for various environments; It uses dual magnet design with long service life; IPX7 water / dust proof ability; Environmental, and RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L140mm W58mm H50mm
重量 /Weight	125g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS+ 硅胶
芯线 /Wiring	6 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥12N.m
耐久性 /Durability	100,000 mating cycle



### 298X/2+HT246+T246 /

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；铁氟龙耐高温电线，适应各种恶劣环境；采用双磁钢双霍尔设计，使用寿命更长；达到 IPX7 防尘防水性能；材料环保，RoHS 认证。

High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant wire, suitable for various environments; It uses dual magnet design with long service life; IPX7 water / dust proof ability; Environmental, and RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L140mm W58mm H50mm
重量 /Weight	125g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS+ 硅胶
芯线 /Wiring	6 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥12N.m
耐久性 /Durability	100,000 mating cycle



### 288X /

指拨操控，外形时尚、精致；适配 U 型管安装；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；采用双磁钢双霍尔设计，使用寿命更长；达到 IPX7 级防水能力；材料环保，RoHS 认证。

Thumb control with fashion design, exquisite; Suitable for U handlebar; High strength plastic shell, light, durable; Teflon high temperature resistant wire, suitable for various environments; It uses dual magnet design with long service life; Reach IPX7 waterproof ability; Environmental, and RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L39mm W71mm H50mm
重量 /Weight	45g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS
芯线 /Wiring	6 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 282DX /

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；4 档电量显示，电量一目了然，欠压提醒；采用电镀工艺区域装饰，显高档、更美观；达到 IPX5 级防水性能；材料环保，RoHS 认证。

High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; 4 Voltage levels, low voltage alarm; Using electroplating technology for decorating, more upscale and beautiful; IPX5 waterproof ability; Environmental material, RoHS certification.

尺寸 /Size	L97.5mm W68mm H75mm
重量 /Weight	100g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 68°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## 272X+T478 /

指拨操控，外形时尚、精致；适配U型管安装；内部采用轴承组装，操作手感轻盈、舒适；采用外走线，随意配套，不干涉；两侧装有密封圈，防尘防水等级可达IP65。

Thumb control with fashion design, exquisite; Suitable for U handlebar; Assembled with internal bearings, which makes the it feels light and comfortable; External wiring is adopted, free matching and non-interference; Both sides are equipped with sealing rings, and the dustproof and waterproof grade can reach IP65.

标准 /Approval	RoHS
尺寸 /Size	L165mm W46mm H67mm
重量 /Weight	200g
防水 /Waterproof	IP65
材料 /Material	PC/ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## 262X+HT375+T375 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；采用内走线，需把横管打孔处理；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IPX7级防水性能。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Internal wiring is adopted, the handlebar needs to be punched; Rear inner expansion locking, beautiful and stable; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Reach IPX7 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L153mm W53mm H56mm
重量 /Weight	80g
防水 /Waterproof	IPX7
材料 /Material	ABS+PVC
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## 270X.L/R /

指拨操控，外形时尚、精致；PC/ABS高强度塑胶外壳，轻巧、耐用；采用外走线，随意配套；铁氟龙耐高温电线，适应各种恶劣环境；达到IPX7级防水性能；材料环保，RoHS认证。

Thumb control with fashion design, exquisite; PC/High strength ABS shell, light, durable; External wiring is adopted, free matching and non-interference; Teflon high temperature resistant wire, suitable for various environments; Reach IPx7 waterproof ability; Enviromental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L64mm W44mm H27mm
重量 /Weight	38g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥7N.m
耐久性 /Durability	100,000 mating cycle



## 260X+HT375+T375 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；采用内走线，需把横管打孔处理；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IPX7级防水性能。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Internal wiring is adopted, the handlebar needs to be punched; Rear inner expansion locking, beautiful and stable; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Reach IPX7 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L153mm W50mm H62mm
重量 /Weight	85g
防水 /Waterproof	IPX7
材料 /Material	ABS+PVC
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## HALL SENSOR THROTTLES

### 268X.L/R /

指拨操控，外形时尚、精致；高强度塑胶外壳，轻巧、耐用；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 IPX7 级防水性能；材料环保，RoHS 认证。

Thumb control with fashion design, exquisite; High strength plastic shell, light, durable; The inner wiring mode is adopted, and the horizontal pipe can be arranged in compliance, which is more beautiful; Teflon high temperature resistant wire, suitable for various environments; Reach IPX7 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L66mm W30mm H46mm
重量 /Weight	45g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥120N
旋转角度 /Rotation Angle	0°~50°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 268X/2.L/R /

指拨操控，外形时尚、精致；高强度塑胶外壳，轻巧、耐用；采用外走线，随意配套；铁氟龙耐高温电线，适应各种恶劣环境；达到 IPX7 级防水性能；材料环保，RoHS 认证。

Thumb control with fashion design, exquisite; High strength plastic shell, light, durable; External wiring is adopted, free matching and non-interference; Teflon high temperature resistant wire, suitable for various environments; Reach IPX7 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L66mm W30mm H46mm
重量 /Weight	45g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥120N
旋转角度 /Rotation Angle	0°~50°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 230X/4 /

指拨操控，外形时尚、精致；适配 U 型管安装；高强度塑胶外壳，轻巧、耐用；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 IPX7 级防水性能；材料环保，RoHS 认证。

Thumb control with fashion design, exquisite; Suitable for U handlebar; High strength plastic shell, light, durable; The inner wiring mode is adopted, and the horizontal pipe can be arranged in compliance, which is more beautiful; Teflon high temperature resistant wire, suitable for various environments; Reach IPX7 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L65mm W28.5mm H46mm
重量 /Weight	40g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS, TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0°~50°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



NEW

## HALL SENSOR THROTTLES

### 228DX+HT450 /

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；5档电量显示，电量一目了然，欠压提醒；采用电镀工艺区域装饰，显高档、更美观；达到IPX5级防水性能；材料环保，RoHS认证。

High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; 5 Voltage levels, low voltage alarm; Using electroplating technology for decorating, more upscale and beautiful; IPX5 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W65mm H79mm
重量 /Weight	150g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS、TPR
芯线 /Wiring	9 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0°~70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 220X+HT450 /

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；采用电镀工艺区域装饰，显高档、更美观；达到IPX4级防水性能；材料环保，RoHS认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L148mm W60mm H87mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	9 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0°~70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 216X.L/R /

指拨操控，外形时尚、精致；适配U型管安装；高强度塑胶外壳，轻巧、耐用；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；材料环保，RoHS认证。

Thumb control with fashion design, exquisite; Suitable for U handlebar; High strength plastic shell, light, durable; The inner wiring mode is adopted, and the horizontal pipe can be arranged in compliance, which is more beautiful; Teflon high temperature resistant wire, suitable for various environments; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L64mm W24mm H43.5mm
重量 /Weight	32g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0°~50°
旋转强度 /Spin Intensity	≥10N.m
耐久性 /Durability	100,000 mating cycle



### 216X/2.L/R /

指拨操控，外形时尚、精致；适配U型管安装；高强度塑胶外壳，轻巧、耐用；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；材料环保，RoHS认证。

Thumb control with fashion design, exquisite; Suitable for U handlebar; High strength plastic shell, light, durable; The inner wiring mode is adopted, and the horizontal pipe can be arranged in compliance, which is more beautiful; Teflon high temperature resistant wire, suitable for various environments; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L64mm W24mm H43.5mm
重量 /Weight	32g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0°~50°
旋转强度 /Spin Intensity	≥10N.m
耐久性 /Durability	100,000 mating cycle



## 202X+HT450 /

配备 USB 充电端口，可供电；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；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 级防水性能。  
With USB charging port; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Reach IPX4 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L142mm W82mm H25mm
重量 /Weight	100g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	10 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## 192X+HT418 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；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 级防水性能。  
High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Reach IPX4 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L130mm W55mm H47mm
重量 /Weight	106g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## 198X+HT386 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；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 级防水性能。  
High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Reach IPX4 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L130mm W62.5mm H50mm
重量 /Weight	130g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
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；达到 IPX4 级的防水能力。  
Simple structure, reliable technology, stable performance; High strength plastic shell, light, durable; Ergonomic operation, large key area, light and comfortable feel; Teflon high temperature resistant wire, suitable for various environments; Environmental material, RoHS certification; IPX4 waterproof ability.

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



## HALL SENSOR THROTTLES

### 178X+HT426 /

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；符合人体工程操作，手感轻盈、舒适、握着力强，排汗；达到IPX4级防水性能；材料环保，RoHS认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Conforming to ergonomic operation, light and comfortable, strong holding power, perspiration; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W66mm H85mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	10 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 178X/3+HT426 /

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；符合人体工程操作，手感轻盈、舒适、握着力强，排汗；达到IPX4级防水性能；材料环保，RoHS认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Conforming to ergonomic operation, light and comfortable, strong holding power, perspiration; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W66mm H85mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	10 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 172X.L/R /

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；该转把有左右的，满足不同客户需求；达到IPX4级防水性能；材料环保，RoHS认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; This model has left and right hand to meet the needs of different customers; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L69mm W50mm H50mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 170X+HT498+T108 /

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；铁氟龙耐高温防水电线，适应各种恶劣环境；双向转把控制前进、后退功能，满足不同客户需求；达到IPX5级防水性能。

High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Teflon high temperature resistant and waterproof wire, suitable for various environments; Two-way handle control forward and backward functions to meet different customer needs; Reach IPX5 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L147mm W51mm H44mm
重量 /Weight	150g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



## HALL SENSOR THROTTLES

### 160X/2+HT428 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



### 162DX+HT406 /

开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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；3 档电量显示，电量一目了然，欠压提醒。

Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; 3 Voltage levels, low voltage alarm.

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



### FT160X+HT420 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



### FT162DX+HT420 /

开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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；3 档电量显示，电量一目了然，欠压提醒。

Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; 3 Voltage levels, low voltage alarm.

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



## HALL SENSOR THROTTLES

### 158X+HT406 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



### 158X/2+HT430 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



### FT158X+HT420 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



### 160X+HT406 /

高强度塑胶外壳，轻巧、耐用；开放式侧盖，便于维修；尾部内胀式锁紧，美观稳固；适配把横管内径  $\Phi 17-\Phi 19$ ；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。

High strength plastic shell, light, durable; Removable side cover, easy for maintenance; Rear inner expansion locking, beautiful and stable; Suitable for  $\Phi 17-\Phi 19$  handlebar; Teflon high temperature resistant wire, suitable for various environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment.

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



## HALL SENSOR THROTTLES

### 132DX+HT386 /

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；采用电镀工艺区域装饰，显高档、更美观；四档电量显示，一目了然；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; 4 Voltage levels; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W31mm H67mm
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	8 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 122DX+HT418 /

电锁开关、安全操控；高强度塑胶外壳轻巧、耐用；夹紧式铝合金锁紧环，锁紧更稳固；4 档电量显示，电量一目了然，欠压提醒；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Electric lock switch, safety control; High strength plastic shell, light, Durable; Aluminum handlebar clamping loop with firm locking performance; 4 Speed levels, Low voltage alarm; IPX4 waterproof ability; Environmental material, RoHS certification.

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



### 132X/2+HT432 /

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；采用电镀工艺区域装饰，显高档、更美观；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L149mm W58mm H83mm
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	10 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 122DX/2+HT386 /

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；4 档电量显示，电量一目了然，欠压提醒；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Reliable technology, stable performance; High strength plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; 4 Speed levels, low voltage alarm; IPX4 waterproof ability; Environmental material, RoHS certification.

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



## HALL SENSOR THROTTLES

### 122DX/3+HT386 /

电锁开关、安全操控；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；模拟液晶显示效果，显高档；达到 IPX4 级防水性能；材料环保，RoHS 认证

Electric lock switch, safety control; High strength plastic shell, light, Durable; Aluminum handlebar clamping loop with firm locking performance; Simulate LCD display effect; IPX4 waterproof ability; Enviromental material, RoHS certification.

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



### 122DX/4+HT450 /

电锁开关、安全操控；高强度塑胶外壳轻巧、耐用；夹紧式铝合金锁紧环，锁紧更稳固；模拟液晶显示效果，显高档；达到 IPX4 级防水性能；材料环保，RoHS 认证

Electric lock switch, safety control; High strength plastic shell, light, Durable; Aluminum handlebar clamping loop with firm locking performance; Simulate LCD display effect; IPX4 waterproof ability; Enviromental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L149mm W66mm H85mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	9 Pins
电压 /Voltage	DC 48V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
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，轻巧、耐用；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 级防水性能；材料环保，RoHS 认证。

Reliable technology, stable performance ; High strength plastic shell , light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful ; 4 Voltage levels ; IPX4 waterproof ability ; Enviromental material , RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W31mm H67mm
重量 /Weight	145g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	6 Pins
电压 /Voltage	36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
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，轻巧、耐用；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 级防水性能；材料环保，RoHS 认证。

Reliable technology, stable performance ; High strength plastic shell , light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful ; IPX4 waterproof ability ; Enviromental material , RoHS certification.

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



## HALL SENSOR THROTTLES

### 130X/3 /

经典款式，百搭，符合人体工程操作，手感轻盈，舒适；选择PC+ABS合金材料，综合性能好，抗冲击强度高；选用铝合金固定环，固定强度有保证；霍尔全封闭灌胶，达到IPX5级防水性能；材料环保，RoHS认证。

Classic style, versatile, ergonomic, lightweight and comfortable; Select PC+ABS alloy material with good comprehensive performance and high impact strength; The aluminum alloy fixing ring is selected, and the fixing strength is guaranteed; Hall is fully sealed with glue, achieving IPX5 waterproof performance; Enviromental, and RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L60mm W30mm H47.6mm
重量 /Weight	45g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 118DX+HT388 /

工艺可靠、性能稳定；PC/ABS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；采用电镀工艺区域装饰，显高档、更美观；三挡电量显示，一目了然；达到IPX4级防水性能；材料环保，RoHS认证。

Reliable technology, stable performance; PC/High strenth ABS shell,Light,Durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; 3 Voltage levels; IPX4 waterproof ability; Enviromental material, RoHS certification.

标准 /Approval	RRoHS
尺寸 /Size	L63.8mm W46mm H65mm
重量 /Weight	62g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	4 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
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，轻巧、耐用；夹紧式铝合金锁紧环，锁紧更稳；采用电镀工艺区域装饰，显高档、更美观；达到IPX4级防水性能；材料环保，RoHS认证。

Electric lock switch, safety control; High strenth plastic shell, light, durable; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; IPX4 waterproof ability; Enviromental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L141mm W84mm H62mm
重量 /Weight	220g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	100,000 mating cycle



### 108X.L/R /

下挂式外形优美、大气；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；符合人体工程操作，超大按键区域，手感轻盈、舒适；达到IPX5级的防水能力；材料环保，RoHS认证。

Hanging style, exquisite shape and elegant style; High strenth plastic shell; Aluminum handlebar clamping loop with firm locking performance; Ergonomic operation, large key area, light and comfortable feel; IPX5 waterproof ability; Enviromental material, RoHS certification.

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



## HALL SENSOR THROTTLES

### 108X-2 /

下挂式外形优美、大气；高强度塑胶外壳；开放式锁紧结构，操作方便；符合人体工程操作，超大按键区域，手感轻盈、舒适；达到 IPX7 级的防水能力；材料环保，RoHS 认证。

Hanging style, exquisite shape and elegant style; High strength plastic shell; Open locking design for easy assemble on Handlebar; Ergonomic operation, large key area, light and comfortable feel; IPX7 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L46mm W46mm H59mm
重量 /Weight	47g
防水 /Waterproof	IPX7
材料 /Material	ABS、PA66/GF20
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 65°
旋转强度 /Spin Intensity	≥5N.m
耐久性 /Durability	100,000 mating cycle



NEW

## HALL SENSOR THROTTLES

### 106DX /

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；3 档电量显示，电量一目了然；符合人体工程操作，超大按键区域，手感轻盈、舒适；达到 IPX4 级的防水能力；材料环保，RoHS 认证。

High strength plastic shell; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; 3 Voltage levels; Ergonomic operation, large key area, light and comfortable feel; IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L69mm W69mm H30mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	6 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 53°
旋转强度 /Spin Intensity	≥5N.m
耐久性 /Durability	100,000 mating cycle



### 72DX+HT390 /

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；五档电量显示，电量一目了然；达到 IPX4 级防水能力；材料环保，RoHS 认证。

High strength plastic shell; Aluminum handlebar clamping loop with firm locking performance; Using electroplating technology for decorating, more upscale and beautiful; 5 Voltage levels; Reach IPX4 waterproof ability; Environmental material, RoHS certification.

标准 /Approvals	RoHS
尺寸 /Size	L178mm W87mm H77mm
重量 /Weight	260g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	7 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐久性 /Durability	≥100,000 times



# ELECTRIC BRAKE LEVERS /

刹把

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch ; Fully sealed, waterproof and dustproof structure ; Economical, environmentally friendly, energy-saving ; Enviromental, and RoHS certification.

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构；经济、环保、节能；材料环保，RoHS 认证。

## ELECTRIC BRAKE LEVERS

儿童款

NEW

### 278PDD+BS278 /

结构简单、工艺可靠、性能稳定；可选优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Optional high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L136mm W30.4mm H87.7mm
重量 /Weight	120g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 268PHD.R+BS130.R /

结构简单、工艺可靠、性能稳定；霍尔线性输出电压稳定；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Hall linear output, stable voltage ; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L143mm W100mm H35mm
重量 /Weight	115g
防水 /Waterproof	IPX4
材料 /Material	Aluminum alloy+ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5V Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



NEW

## ELECTRIC BRAKE LEVERS

NEW

### 268PHD.L+BS130.L /

结构简单、工艺可靠、性能稳定；霍尔线性输出电压稳定；加配铃铛配置；达到IPX4防水能力。

Simple structure, reliable process, stable performance; Hall linear output, stable voltage; Equipped with bell configuration; Reach IPX4 waterproof ability.

标准 /Approval	RoHS
尺寸 /Size	L141mm W114mm H60mm
重量 /Weight	125g
防水 /Waterproof	IPX4
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5V Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	>450N
耐久性 /Durability	100,000 mating cycle



### 259PDD+BS259+LD06 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；加配铃铛配置；全密封防水防尘结构。

Simple structure, reliable process, stable performance; Selected high-quality electronic switch; Equipped with bell configuration; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L152mm W102mm H31mm
重量 /Weight	125g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	>450N
耐久性 /Durability	100,000 mating cycle



### 268PHD.L

加配铃铛配置；达到IPX4防水能力。

Equipped with bell configuration; Reach IPX4 waterproof ability.



## ELECTRIC BRAKE LEVERS

### 246PDD+BS246 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L156mm W40mm H110mm
重量 /Weight	135g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 240PDD+BS240 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；加配铃铛配置；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Equipped with bell configuration; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L136.4mm W40.7mm H92.3mm
重量 /Weight	125g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 240PDD/2+BS240 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L136.4mm W40.7mm H92.3mm
重量 /Weight	125g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 170PHD+BS162/2+LD06 /

结构简单、工艺可靠、性能稳定；霍尔线性输出电压稳定；加配铃铛配置；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Hall linear output, stable voltage ; Equipped with bell configuration; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L150mm W100mm H60mm
重量 /Weight	130g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5V Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 172PHD+BS172 /

结构简单、工艺可靠、性能稳定；霍尔线性输出电压稳定；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Hall linear output, stable voltage ; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L134.2mm W85.5mm H31mm
重量 /Weight	130g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5V Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 168PDD+BS168 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L145mm W110mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 170PHD+BS172 /

结构简单、工艺可靠、性能稳定；霍尔线性输出电压稳定；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Hall linear output, stable voltage ; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L150mm W100mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5V Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 160PDD+BS228 /

与仪表搭配电显显示；按键操控界面功能；选用优质电子开关；全密封防水防尘结构。

Electric display with instrument panel matching display ; Interface function controlled by buttons; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L165.5mm W97.8mm H37mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	7 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 138PDD+BS138 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L188mm W108mm H34mm
重量 /Weight	135g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 128PDD+BS116 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L208mm W112mm H34mm
重量 /Weight	135g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 132PDD+BS132 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L178mm W105mm H34mm
重量 /Weight	135g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.3V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 124PDD+BS124 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L136mm W90mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 122PDD+BS122 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L202mm W115mm H34mm
重量 /Weight	130g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 112PDD+BS112 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L170mm W102mm H34mm
重量 /Weight	115g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 112PDD/3+BS112/3 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L153.3mm W85.4mm H39mm
重量 /Weight	115g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



NEW

### 110P+BS110 /

结构简单、工艺可靠、性能稳定；把手采用锻造工艺。

Simple structure, reliable process, stable performance; Forging brake lever.

标准 /Approval	RoHS
尺寸 /Size	L172mm W86.5mm H31mm
重量 /Weight	125g
材料 /Material	Aluminum alloy
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 108PDD+BS108 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L156mm W105mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



## ELECTRIC BRAKE LEVERS

### 99PDD+BS100 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L150.5mm W85.4mm H37.8mm
重量 /Weight	65g
防水 /Waterproof	IPX4
材料 /Material	PA66+20GF
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 108PDD/4+BS108 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L170mm W105mm H34mm
重量 /Weight	125g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



### 108PDD+BS106/2 /

结构简单、工艺可靠、性能稳定；选用优质电子开关；全密封防水防尘结构。

Simple structure, reliable process, stable performance ; Selected high-quality electronic switch; Fully sealed, waterproof and dustproof structure.

标准 /Approval	RoHS
尺寸 /Size	L156mm W102mm H34mm
重量 /Weight	125g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐久性 /Durability	100,000 mating cycle



# SWITCHES /

## 电控器



Simple structure, reliable process, stable performance; High strength plastic shell, light, Durable; Conforming to ergonomic operation, light and comfortable; Enviromental, and RoHS certification.

结构简单、工艺可靠、性能稳定；ABS 高强度塑胶外壳；符合人体工程操作，手感轻盈、舒适；材料环保，RoHS 认证。

## SWITCHES

### DK426 /

标准 /Approval	RoHS
尺寸 /Size	L36mm W64mm H79mm
重量 /Weight	21g
防水 /Waterproof	IPX5
材料 /Material	ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK412 /

标准 /Approval	RoHS
尺寸 /Size	L66mm W68mm H33mm
重量 /Weight	75g
防水 /Waterproof	IPX4
材料 /Material	ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK410 /

标准 /Approval	RoHS
尺寸 /Size	L85mm W35mm H57mm
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	9 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 80°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK342 /

标准 /Approval	RoHS
尺寸 /Size	L36mm W64mm H66mm
重量 /Weight	21g
防水 /Waterproof	IPX5
材料 /Material	ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK336+T406 /

标准 /Approval	RoHS
尺寸 /Size	L147mm W54mm H54mm
重量 /Weight	110g
防水 /Waterproof	IPX4
材料 /Material	PP TPR
芯线 /Wiring	8 Pins
电流 /Current	1A/12V DC
工作温度 /Operating Temperature	-20°C~ 80°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK340 /

标准 /Approval	RoHS
尺寸 /Size	L33mm W53mm H80mm
重量 /Weight	46.8g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK326 /

标准 /Approval	RoHS
尺寸 /Size	L30mm W48mm H46mm
重量 /Weight	23g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK336/2 /

标准 /Approval	RoHS
尺寸 /Size	L26mm W54mm H54mm
重量 /Weight	41g
防水 /Waterproof	IPX4
材料 /Material	PA6+20GF TPR
芯线 /Wiring	8 Pins
电流 /Current	1A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK324 /

标准 /Approval	RoHS
尺寸 /Size	L80mm W32mm H55mm
重量 /Weight	43g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



## SWITCHES

### DK320 /

标准 /Approval	Optional
尺寸 /Size	L46.5mm W46.8mm H15mm
重量 /Weight	22g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS TPR
芯线 /Wiring	4 Pins
电流 /Current	50mA/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
耐久性 /Durability	50,000 mating cycle



### DK314 /

标准 /Approval	RoHS
尺寸 /Size	L34.5mm W54.2mm H79.6mm
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	7 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK256/3 /

标准 /Approval	RoHS
尺寸 /Size	L60mm W26mm H65mm
重量 /Weight	40g
防水 /Waterproof	IPX5
材料 /Material	PA6+20GF PC
芯线 /Wiring	5 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



NEW

采用内侧走线方式  
THE INNER WIRING METHOD CAN BE USED

## SWITCHES

### DK256/2 /

标准 /Approval	RoHS
尺寸 /Size	L60mm W26mm H65mm
重量 /Weight	40g
防水 /Waterproof	IPX5
材料 /Material	PA6+20GF PC
芯线 /Wiring	5 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



NEW

### DK252 /

标准 /Approval	RoHS
尺寸 /Size	L61mm W37mm H38mm
重量 /Weight	26g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	50mA/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK242 /

标准 /Approval	RoHS
尺寸 /Size	L45mm W22mm H50mm
重量 /Weight	36.8g
防水 /Waterproof	IPX4
材料 /Material	PA6+20GF TPR
芯线 /Wiring	3 Pins
电流 /Current	50mA/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



采用内侧走线方式  
THE INNER WIRING METHOD CAN BE USED

## SWITCHES

### DK240 /

标准 /Approval	RoHS
尺寸 /Size	L33mm W55mm H72mm
重量 /Weight	38g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK224 /

标准 /Approval	RoHS
尺寸 /Size	L73mm W55mm H33mm
重量 /Weight	37g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK226/2 /

标准 /Approval	RoHS
尺寸 /Size	L22mm W50mm H42mm
重量 /Weight	32g
防水 /Waterproof	IPX4
材料 /Material	PA6+20GF TPR
芯线 /Wiring	3 /4 Pins
电流 /Current	0.5A/12V DC
工作温度 /Operating Temperature	-20°C ~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK218 /

标准 /Approval	RoHS
尺寸 /Size	L61mm W37mm H38mm
重量 /Weight	26g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK226+T406 /

标准 /Approval	RoHS
尺寸 /Size	L142mm W22mm H42mm
重量 /Weight	100g
防水 /Waterproof	IPX4
材料 /Material	PP TPR
芯线 /Wiring	3/4 Pins
电流 /Current	0.5A/12V DC
工作温度 /Operating Temperature	-20°C ~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK214 /

标准 /Approval	RoHS
尺寸 /Size	L34.5mm W54.2mm H66.8mm
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



## SWITCHES

## SWITCHES

### DK216 /

标准 /Approval	RoHS
尺寸 /Size	L66mm W42mm H39mm
重量 /Weight	34g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	4 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK138/2 /

标准 /Approval	RoHS
尺寸 /Size	L20mm W46mm H54mm
重量 /Weight	21g
防水 /Waterproof	IPX4
材料 /Material	PA6+GF20
芯线 /Wiring	2 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK156 /

标准 /Approval	RoHS
尺寸 /Size	L29mm W16mm H14mm
重量 /Weight	10g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS
芯线 /Wiring	2 Pins
电流 /Current	50mA/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK136 /

标准 /Approval	RoHS
尺寸 /Size	L39mm W61mm H22mm
重量 /Weight	21g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	2 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK138+T406 /

标准 /Approval	RoHS
尺寸 /Size	L136.5mm W46mm H55mm
重量 /Weight	100g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS TPR
芯线 /Wiring	2 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



### DK16 /

标准 /Approval	RoHS
尺寸 /Size	L65mm W28mm H39mm
重量 /Weight	23g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	2/3 Pins
电流 /Current	3A/12V DC
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
耐久性 /Durability	50,000 mating cycle



# GRIPS /

把套



Shape is tough, with clear layers and fine leather appearance; Elastic soft rubber, soft and comfortable feel, strong grip, non-slip, sweat away; Easy installation and disassembly, no need for strong disassembly; Enviromental, and RoHS certification.

外形硬朗风格，层次分明，外表细皮纹理；弹性软胶，手感柔软舒适，握着力强，防滑、排汗；安装拆卸方便，无需强拆装；材料环保，RoHS 认证。

## GRIPS

### T526 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



适用儿童车，把横管 φ19  
APPLY ON CHILDREN BIKE WITH φ19 HANDLEBAR SIZE

### T520 /

标准 /Approval	RoHS
尺寸 /Size	L119mm W33mm
重量 /Weight	58g
材料 /Material	TPR50-55A
安装深度 /Fitting Depth	112mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



### T506 /

标准 /Approval	RoHS
尺寸 /Size	L117mm W33mm
重量 /Weight	58g
材料 /Material	硅胶 25A
安装深度 /Fitting Depth	108mm
工作温度 /Operating Temperature	-40°C ~ 80°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T486 /

标准 /Approval	RoHS
尺寸 /Size	L126mm W33mm
重量 /Weight	68g
材料 /Material	硅胶 25A
安装深度 /Fitting Depth	120mm
工作温度 /Operating Temperature	-40°C~ 80°C
拉脱力 /Pulling-out Force	≥70N



GRIPS

T462/2 /

标准 /Approvals	RoHS
尺寸 /Size	L100mm W37.5mm
重量 /Weight	60g
材料 /Materials	PVC
安装深度 /Fitting Depth	93mm
工作温度 /Operating temperature	-20°C~ 60°C
拉脱力 /Pulling-out force	≥200N



T478 /

标准 /Approval	RoHS
尺寸 /Size	L117mm W35mm H33
重量 /Weight	93
材料 /Material	PVC
安装深度 /Fitting Depth	110
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



T462 /

标准 /Approvals	RoHS
尺寸 /Size	L118.2mm W34.6mm H34.6mm
重量 /Weight	80g
材料 /Materials	PVC
安装深度 /Fitting Depth	111mm
工作温度 /Operating temperature	-20°C~ 60°C
拉脱力 /Pulling-out force	≥200N



T468/2 /

标准 /Approval	RoHS
尺寸 /Size	L118mm W36mm H36mm
重量 /Weight	115g
材料 /Material	PVC+PP
安装深度 /Fitting Depth	106mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N



T460/2 /

标准 /Approval	RoHS
尺寸 /Size	L120mm W33mm H33mm
重量 /Weight	120g
材料 /Material	PP+TPR
安装深度 /Fitting Depth	114mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m



**T460 /**

标准 /Approval	RoHS
尺寸 /Size	L120mm W33mm H33mm
重量 /Weight	120g
材料 /Material	PP+TPR
安装深度 /Fitting Depth	114mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m

**T450.T450/2 /**

标准 /Approvals	RoHS
尺寸 /Size	L115mm W46mm H33mm
重量 /Weight	62g
材料 /Materials	PP+30GF /TPR
安装深度 /Fitting Depth	111mm
工作温度 /Operating temperature	-20°C~ 60°C
拉脱力 /Pulling-out force	≥400N
锁紧扭矩 /Locking torque	≥3.9N.m
扭转强度 /Torsional strength	≥9N.m

**T438 /**

标准 /Approval	RoHS
尺寸 /Size	L116mm W34mm H34mm
重量 /Weight	60g
材料 /Material	TPR
安装深度 /Fitting Depth	108mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N

**T432 /**

标准 /Approval	RoHS
尺寸 /Size	L114mm W34mm H34mm
重量 /Weight	80g
材料 /Material	TPR
安装深度 /Fitting Depth	106mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N

**T426 /**

标准 /Approvals	RoHS
尺寸 /Size	L113mm W34mm H34mm
重量 /Weight	65g
材料 /Materials	PVC
安装深度 /Fitting Depth	103mm
工作温度 /Operating temperature	-20°C~ 60°C
拉脱力 /Pulling-out force	≥150N

**T420 /**

标准 /Approvals	RoHS
尺寸 /Size	L128mm W34mm H34mm
重量 /Weight	60g
材料 /Materials	TPR
安装深度 /Fitting Depth	123mm
工作温度 /Operating temperature	-20°C~ 60°C
拉脱力 /Pulling-out force	≥150N



## GRIPS

## T430.T430/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



尾部内胀式锁紧；适配把横管内径  $\Phi 17-\Phi 19$   
REAR INNER EXPANSION LOCKING; SUITABLE FOR  $\Phi 17-\Phi 19$  HANDLEBAR

## T428.T428/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m



尾部内胀式锁紧；适配把横管内径  $\Phi 17-\Phi 19$   
REAR INNER EXPANSION LOCKING; SUITABLE FOR  $\Phi 17-\Phi 19$  HANDLEBAR

## T406.T406/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



尾部内胀式锁紧；适配把横管内径  $\Phi 17-\Phi 19$   
REAR INNER EXPANSION LOCKING; SUITABLE FOR  $\Phi 17-\Phi 19$  HANDLEBAR

## T418 /

标准 /Approval	RoHS
尺寸 /Size	L114mm W33mm H33mm
重量 /Weight	65g
材料 /Material	PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



## T400 /

标准 /Approval	RoHS
尺寸 /Size	L116mm W34mm H34mm
重量 /Weight	46.3g
材料 /Material	PVC
安装深度 /Fitting Depth	113mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



## T388.HT388 /

标准 /Approval	RoHS
尺寸 /Size	L70mm H34mm / L116mm H34mm
重量 /Weight	35g/55g
材料 /Material	TPR
安装深度 /Fitting Depth	(T388)60mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



## GRIPS

**T392.T392/2 /**

标准 /Approval	RoHS
尺寸 /Size	L117mm H34mm
重量 /Weight	90g
材料 /Material	TPR
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m

**T390.T390/2 /**

标准 /Approval	RoHS
尺寸 /Size	L117mm H34mm
重量 /Weight	55g
材料 /Material	TPR
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m

**T380.T382 /**

标准 /Approval	RoHS
尺寸 /Size	L130mm W54.6mm H35.5mm
重量 /Weight	46.3g
材料 /Material	TPR
安装深度 /Fitting Depth	[T380]124mm ; [T382]79mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N

**T386 /**

标准 /Approval	RoHS
尺寸 /Size	L118mm W34mm H34mm
重量 /Weight	76g
材料 /Material	PVC
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N

**T376.T375. HT375 /**

标准 /Approval	RoHS
尺寸 /Size	L118mm W50mm H33mm
重量 /Weight	58.5g / 46.3g / 17.1g
材料 /Material	PVC
安装深度 /Fitting Depth	[T375]75mm ; [T376]114mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N

**T246+T247 /**

标准 /Approval	RoHS
尺寸 /Size	L66.5mm W31mm H31mm
	L115mm W31mm H31mm
材料 /Material	PVC
安装深度 /Fitting Depth	62mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



# ODM CASE INTRODUCTION

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客户定制产品只作为展示使用，表明了我们有生产和开发这些产品的能力和意愿，详情请与五星销售部或各区域办事处联系。

## HALL SENSOR THROTTLES



ELECTRIC BRAKE LEVERS

SWITCHES





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