



MICRO-MOBILITY CONNECTORS



DEGSON website



LINKEDIN



DEGSON PTE. LTD.

Add: 2 Venture Drive #08-07 Vision
Exchange Singapore 608526
www.degson.com

Tel : +65-60190748
E-mail : sale@degson.com

The catalog is for reference purpose only and details are
base on company's specifications

EB 25-E01

MICRO-MOBILITY CONNECTORS

ISO9001 ISO14001 ISO45001 ISO80079-34 ISO/TS22163 IATF16949      

Brief Introduction

Founded in 1990, DEGSON is a global leader in Integrated Industrial Connectivity and New Energy Solutions, with UL-CTDP, VDE-TDAP and CNAS approved laboratory. DEGSON has passed ISO9001, ISO14001, ISO45001, ISO80079-34, ISO/TS22163 and IATF16949 Management System, and is a national high-tech enterprise.

DEGSON is engaged in supplying highly reliable and durable products to serve global customers. The company has a market-leading capability of mould processing, automatic manufacturing and advanced testing. DEGSON has the complete engineering ability to support global customers with the professional customization solution and value-added service.

DEGSON products are widely recognized in China, the USA, Germany, the UK, Italy, Spain, Turkey, Japan, South Korea, Singapore, etc. totally hundred countries and regions. DEGSON supply high quality products and provide professional services globally in the industry sectors likely industrial automation, instrument, electric power, railway, marine and offshore, new energy, elevator, lighting, security, machinery, E-bike industry, etc. The company won the recognition from partners among Fortune 500 and industry leading enterprises.

Based on the business philosophy of "Clients First, Win-win Strategy, Responsibility Integrity, Excellence Pursuit.", DEGSON continuously integrates professional technical resources, R&D innovation, product manufacturing and technology application capabilities. Relying on global sales network, DEGSON aims to supply series of multiple varieties of high-quality products and services. We provide global customers with professional and quick connected application solutions, help customers continue to create value. DEGSON is making contributions to creating a smart and interconnected world.



DEGSON Global Production Base and R&D Center



China Factory



Vietnam Factory



High-tech Zone Factory



Competence Center Nanjing



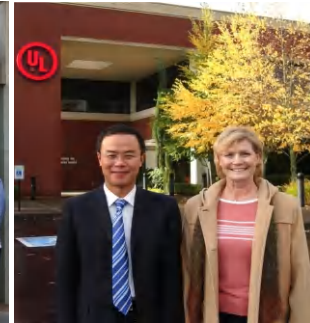
Luoyang R&D Center

DEGSON products are very popular more than 100 countries and areas.



UL-CTDP (USA), VDE-TDAP (Germany) and CNAS laboratories

Strategic cooperation with UL and VDE



① The general manager of UL global energy & technology division visit our company

② Sven Ohrke, President of VDE global services, discusses mutual strategic cooperation in DEGSON



③ VDE Laboratory Accreditation: In July 2010, VDE issued the "VDE Authorized Laboratory" certificate to DEGSON laboratory.

UL laboratory accreditation: UL formally issued "UL WTDP" certificate to DEGSON in March 2013.
In April, 2016, UL-CTDP.
In December, 2016, VDE-TDAP.
In January, 2017, Pass IRIS system audit.

CONTENTS

Coding principles for micro-mobility connectors..... 02

Power Connectors..... 03-16

Charging Connectors..... 17-20

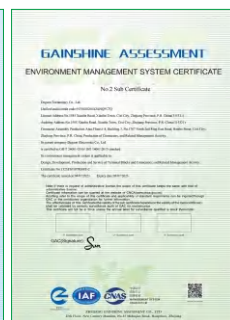
Swapping Connectors..... 21-22

E-motor Connectors..... 23-26

Signal Connectors..... 27-30



ISO9001



ISO14001



IATF16949



ISO/TS 22163



UL - CTDP



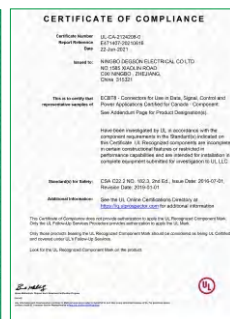
VDE - TDAP



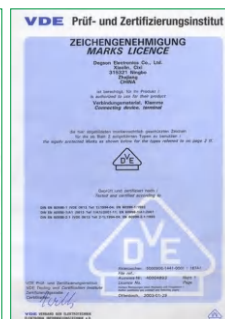
CNAS certificate



EX certificate



UL Certificates:10,Covering 4000+Products



VDE Certificates:178,Covering 3000+Products



TUV certificate



European invention patent

Micro-Mobility connectors

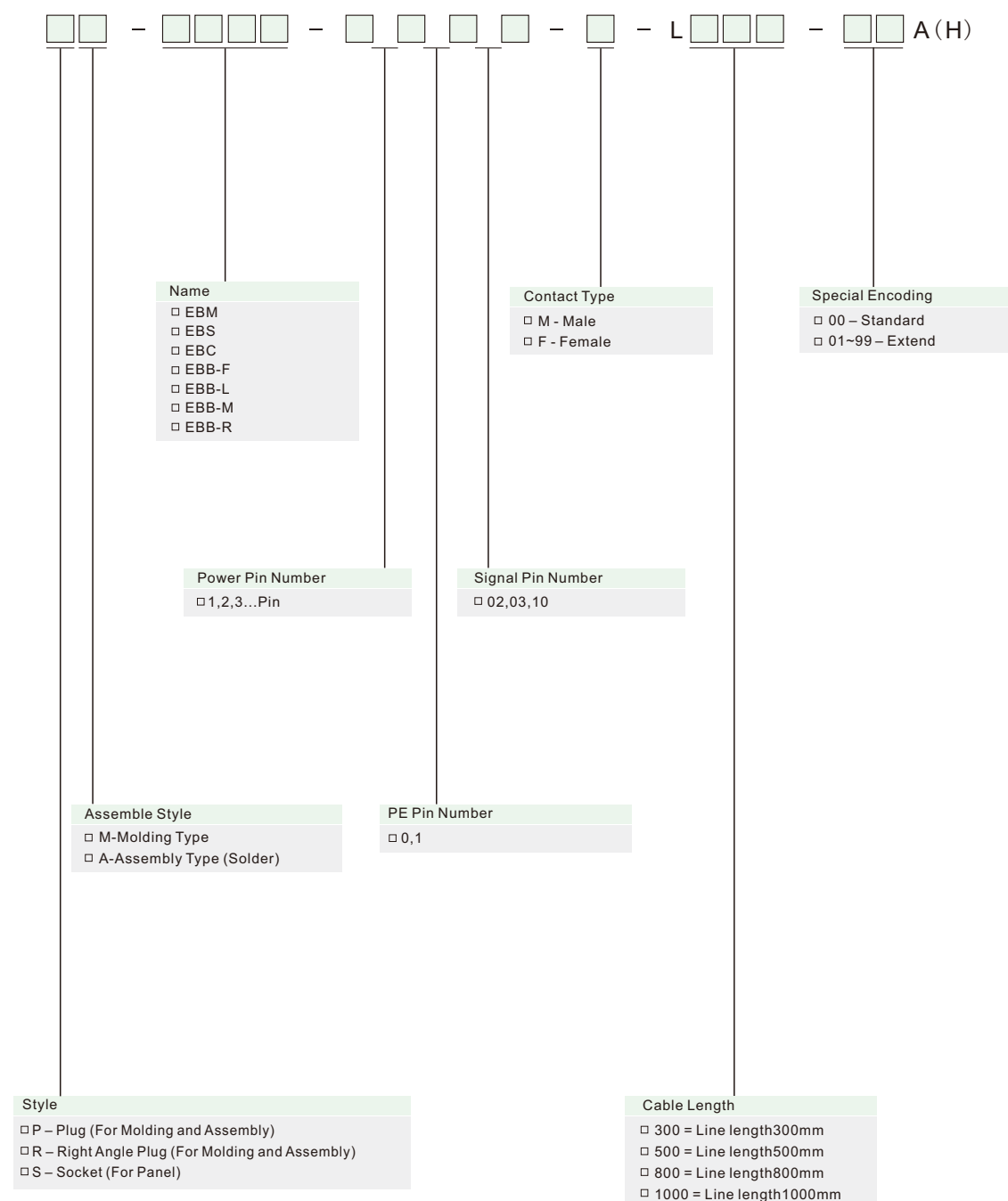
Easy to Connect,
Empower the Green Society



Micro-Mobility connectors

Micro - Mobility connectors meet the need of power and signal transition at the same time. The products have been the design benchmark of connectors in this industry with the characteristics of large carrying current and high reliability. In addition to that, it's well known about the long service life and high waterproof grade.

Coding principles for micro-mobility connectors



EBBL circular power plug

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Beautiful appearance meet ergonomic design.



EBBL Straight Plug

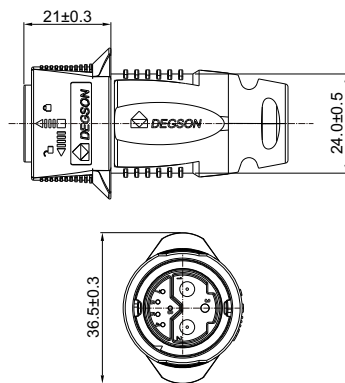


EBBL Right Angle Plug

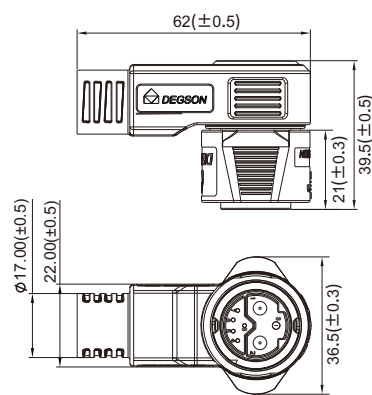
Technical Data

Rated current	Power 50A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 25\text{N}$
IP grade	IP67 when mated, IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBL Straight Plug



EBBL Right Angle Plug

EBBL circular power socket

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

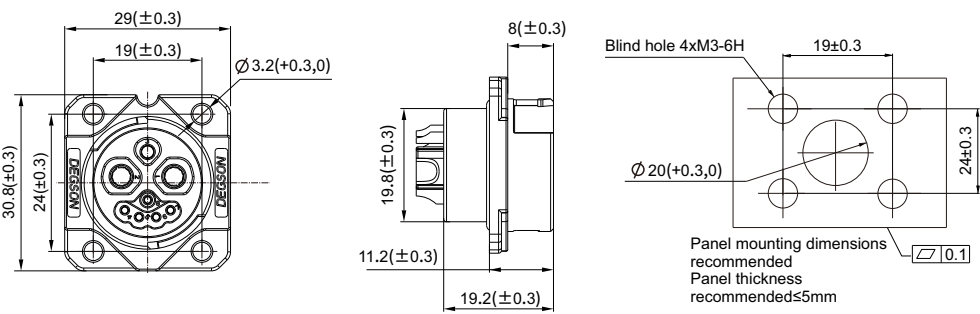


EBBL Socket

Technical Data

Rated current	Power 50A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 25\text{N}$
IP grade	IP67 when mated, IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBL Socket

EBBM circular power plug

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

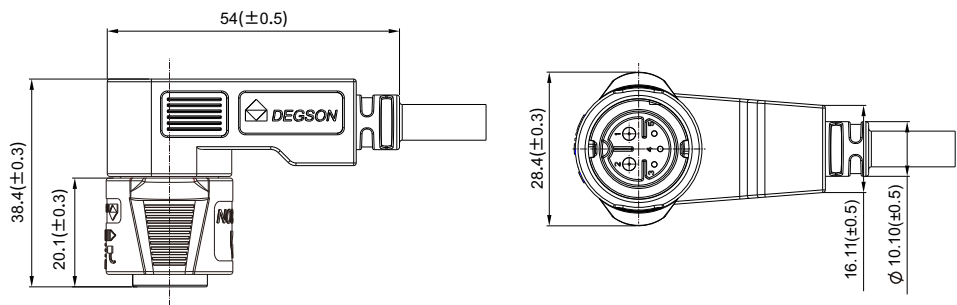


EBBM Right Angle Plug

Technical Data

Rated current	Power 20A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	Extraction force	$> 20\text{N}$
IP grade	IP67 when mated, IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBM Right Angle Plug

EBBM circular power socket

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

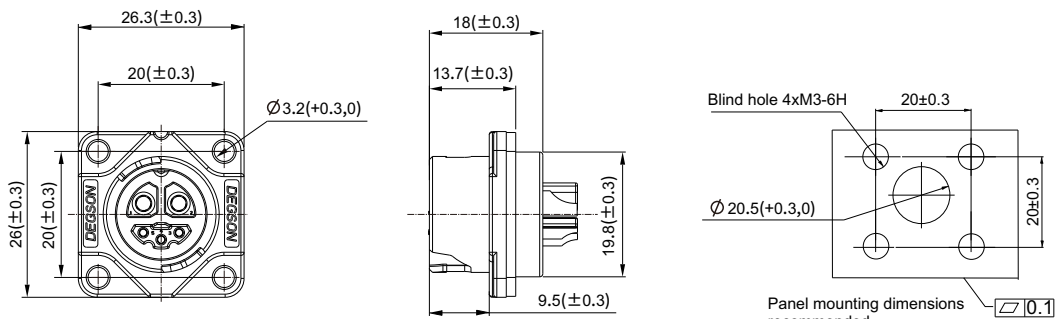


EBBM Socket

Technical Data

Rated current	Power 20A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	Extraction force	$> 20\text{N}$
IP grade	IP67 when mated, IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBM Socket

EBBR rectangular power plug

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Handle structure can be used to help unlock, when product pulled out.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

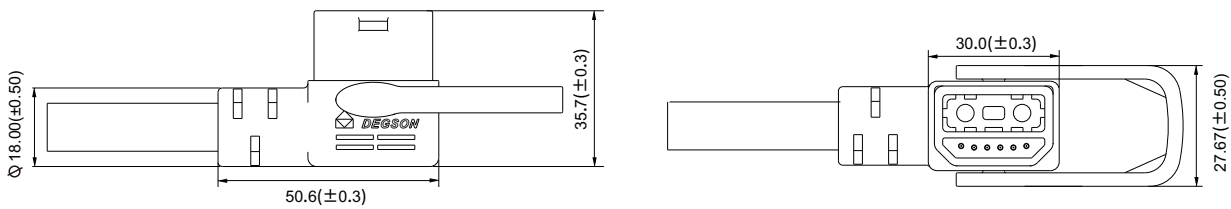


EBBM Right Angle Plug

Technical Data

Rated current	Power40A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 30\text{N}$
IP grade	IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBM Right Angle Plug

EBBR rectangular power socket

Application Scope

EBIKE battery interface connection

Product Features

- Fast connection straightly and directly.
- Handle structure can be used to help unlock, when product pulled out.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

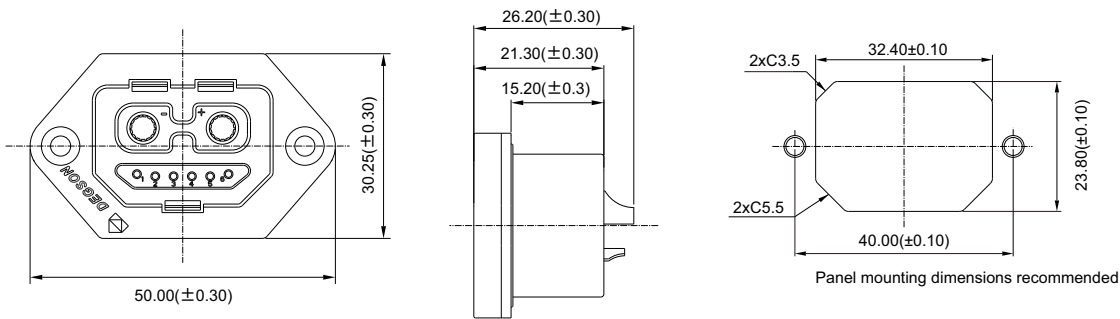


EBBR Socket

Technical Data

Rated current	Power40A, signal 2A	Wiring connection	Soldering
Rated voltage	110V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 30\text{N}$
IP grade	IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBR Socket

EBBH 120A power plug

Application Scope

E-motorcycle battery interface connection

Product Features

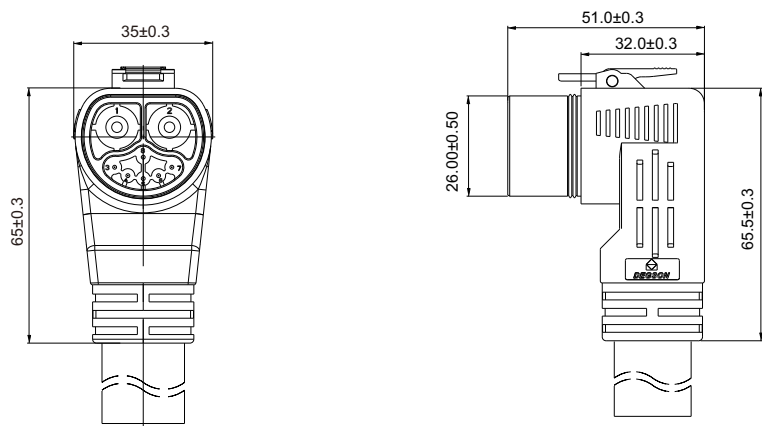
- Fast connection straightly and directly.
- Lock structure can be used when product mated .
- Auditory and visual feedback after connecting in place.
- Appearance is maller and compact,leaving enough space to bend.
- High mechanical life.
- Beautiful appearance meet ergonomic design.



Technical Data

Rated current	Power 120A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	630V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$>50\text{N}$
IP grade	IP67 when mated & receptacle side	Environmental protection	Meet RoHS

Dimension Figure



EBBH 120A Right Angle Plug

EBBH 120A power socket

Application Scope

EBIKE battery charging and discharging port

Product Features

- Fast connection straightly and directly.
- Lock structure can be used when product mated .
- Auditory and visual feedback after connecting in place.
- Appearance is maller and compact,leaving enough space to bend.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

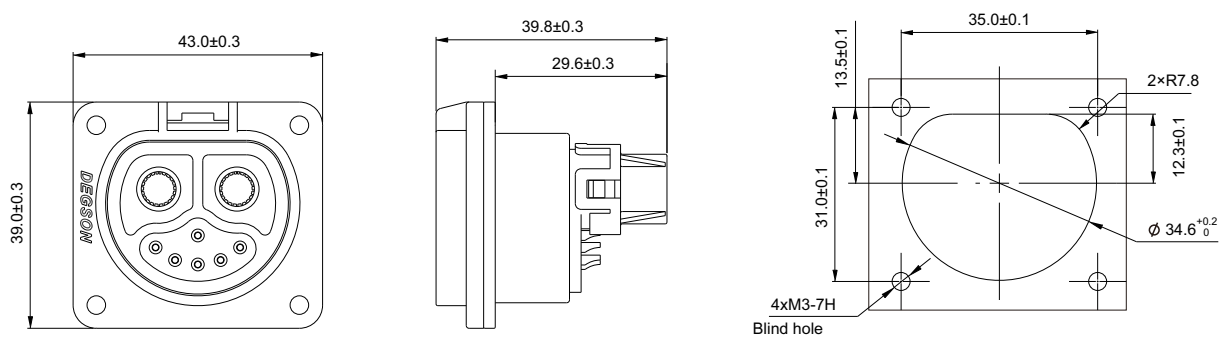


EBBH 120A Power Socket

Technical Data

Rated current	Power 120A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	630V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$>50\text{N}$
IP grade	IP67 when mated & receptacle side	Environmental protection	Meet RoHS

Dimension Figure



Panel mounting dimensions recommended

EBBH 120A Power Socket

EBBH 80A power plug

Application Scope

E-motorcycle battery interface connection

Product Features

- Fast connection straightly and directly.
- Locking structure can work when products mated.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Appearance is maller and compact,leaving enough space to bend.
- Beautiful appearance meet ergonomic design.

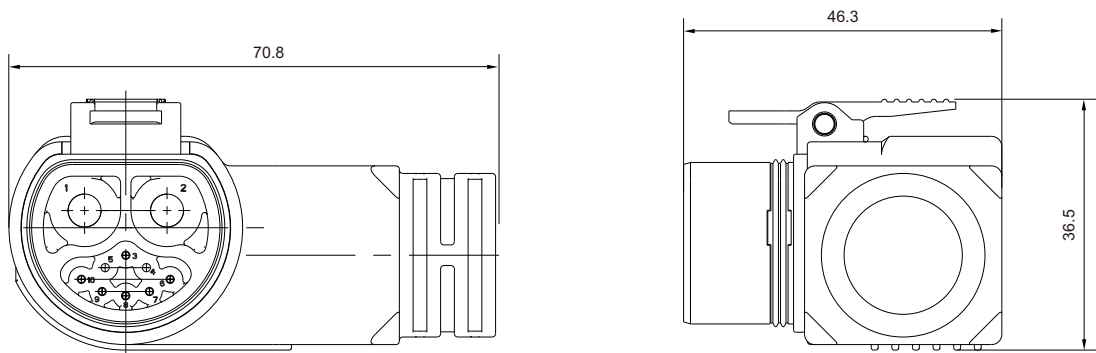


EBBH 80A Plug For Battery Side

Technical Data

Rated current	Power 80A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	72 DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	≥100MΩ	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥3000 times
Operating temperature	−40°C ~+105°C	Extraction force	>50N
IP grade	IP67 when mated & receptacle side	Environmental protection	Meet RoHS

Dimension Figure



EBBH 80A Plug For Battery Side

EBBH 80A power socket

Application Scope

E-motorcycle battery interface connection

Product Features

- Fast connection straightly and directly.
- Locking structure will work after products mated.
- Auditory and visual feedback after connecting in place.
- High mechanical life.
- Appearance is maller and compact,leaving enough space to bend.

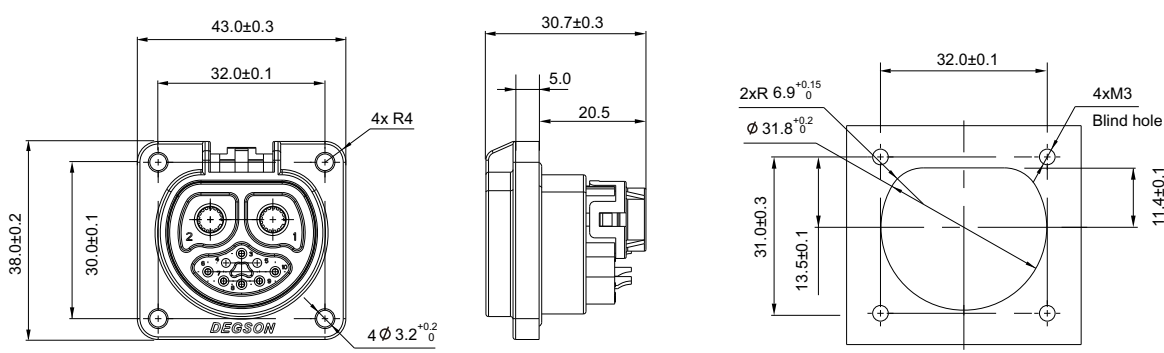


EBBH 80A Power Socket

Technical Data

Rated current	Power 80A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	72V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	≥100MΩ	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥3000 times
Operating temperature	−40°C ~+105°C	Extraction force	>50N
IP grade	IP67 when mated & receptacle side	Environmental protection	Meet RoHS

Dimension Figure



EBBH 80A Power Socket

EBBH 100A Straight plug

Application Scope

E-motorcycle battery interface connection

Product Features

- Fast connection straightly and directly.
- Lock structure can be used when product mated.
- Auditory and visual feedback after connecting in place.
- Appearance is maller and compact,leaving enough space to bend.
- High mechanical life.
- Beautiful appearance meet Ergonomic design.

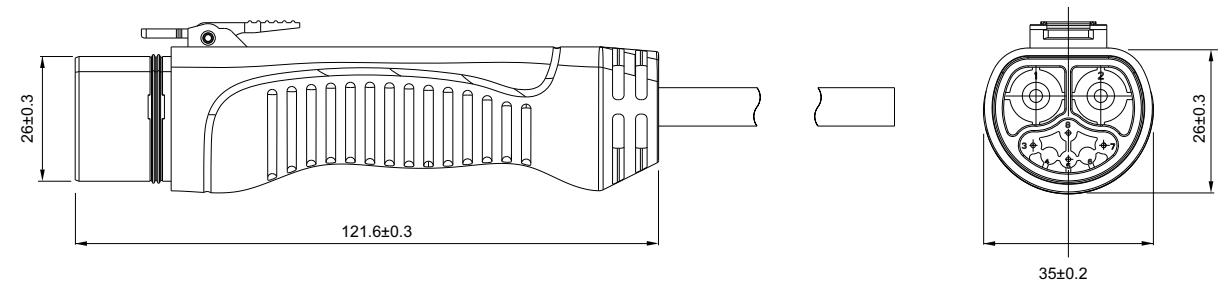


EBBH 100A Straight Plug

Technical Data

Rated current	Power 100A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	72V AC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 100M\Omega$	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}C \sim +105^{\circ}C$	Extraction force	$> 25N$
IP grade	IP67 when mated	Environmental protection	Meet RoHS

Dimension Figure



EBBH 100A Straight Plug

EBBH 80A power socket with cover flap

Application Scope

E-motorcycle battery interface connection

Product Features

- Fast connection straightly and directly.
- Auditory and visual feedback after locking in place.
- High mechanical life.
- IP67 can be realized and kept well when cap close and locked up.
- Appearance is smaller and compact, leaving enough space to bend.

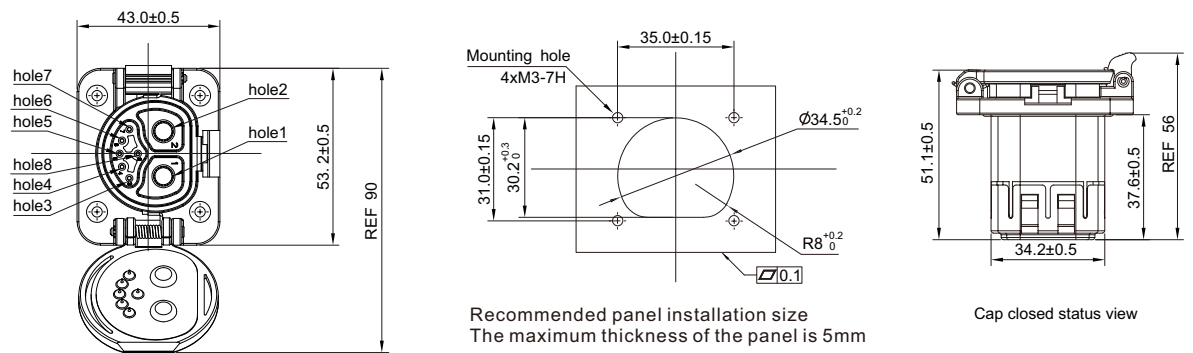


EBBH 80A Power Socket With Cover Flap

Technical Data

Rated current	Power 80A, signal 2A	Wiring connection	Crimping
Rated voltage	50V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 500M\Omega$	Withstand voltage	1000V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 3000 times
Operating temperature	$-40^{\circ}C \sim +105^{\circ}C$	Extraction force	$> 50N$
IP grade	IP67 when mated & receptacle side & coated	Environmental protection	Meet RoHS

Dimension Figure



EBBH 80A Power Socket With Cover Flap

EBSP battery discharging plug

Application Scope

E-bike battery discharging

Product Features

- Fast connection straightly and directly.
- High mechanical life.
- Appearance is smaller and compact, leaving enough space to bend.

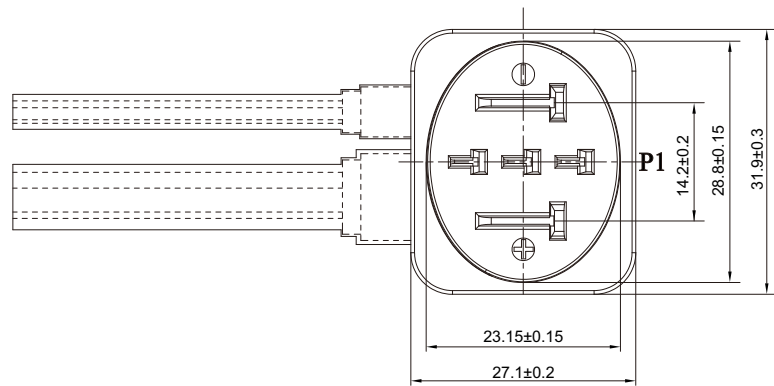


EBSP Battery Discharging Plug

Technical Data

Rated current	Power 25A, signal 2A	Wiring connection	Soldering
Rated voltage	80V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 200M\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 1000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	10~35N
IP grade	IPX7 when single (Except 4200TM01-A-S)	Environmental protection	Meet RoHS2.0 & REACH

Dimension Figure



EBSP Battery Discharging Plug

EBSP battery discharging receptacle

Application Scope

E-bike battery discharging

Product Features

- Fast connection straightly and directly.
- High mechanical life.
- Appearance is smaller and compact, leaving enough space to bend.

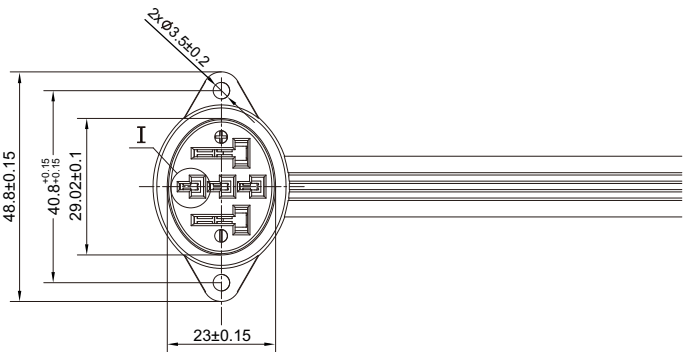


EBSP Battery Discharging Receptacle

Technical Data

Rated current	Power 25A, signal 2A	Wiring connection	Soldering
Rated voltage	80V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 200M\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 1000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	10~35N
IP grade	IPX7 when single	Environmental protection	Meet RoHS2.0 & REACH

Dimension Figure



EBSP Battery Discharging Receptacle

EBBH 120A charging inlet

Application Scope

E-motorcyle charging port

Product Features

- Fast connection straightly and directly.
- Lock structure can be used when product mated .
- Auditory and visual feedback after connecting in place.
- Appearance is maller and compact,leaving enough space to bend.
- High mechanical life.
- Beautiful appearance meet Ergonomic design.
- Receptacle with cover flap can effectively protect the interface.

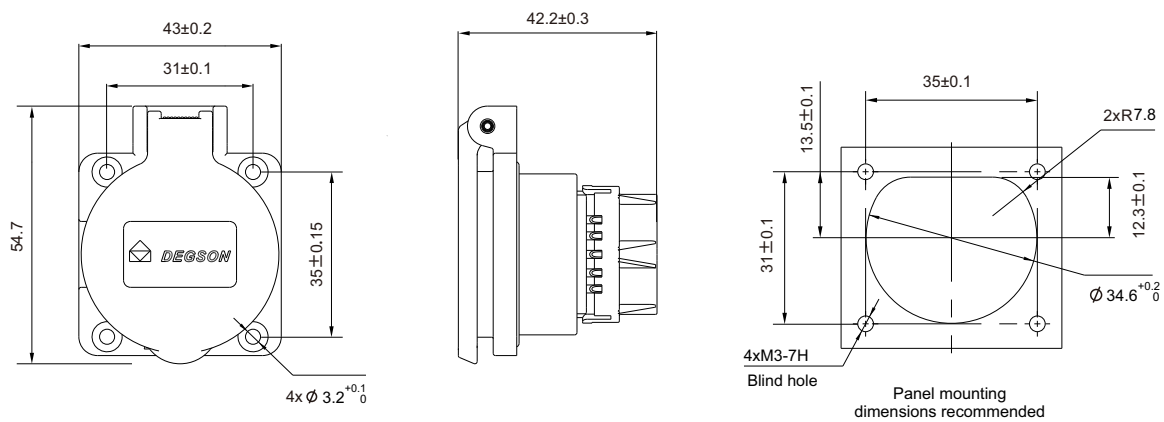


EBBH 120A Charging Inlet

Technical Data

Rated current	Power 120A, signal 2A	Wiring connection	Soldering,Crimping
Rated voltage	72V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	≥100MΩ	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥3000 times
Operating temperature	−40℃ ~ +105℃	Extraction force	>50N
IP grade	IP67 when mated & receptacle side	Environmental protection	Meet RoHS

Dimension Figure



EBBH 120A Charging Inlet

EBC charging inlet

Application Scope

E-bike battery interface connection

Product Features

- Receptacle with cover flap can effectively protect the interface.
- High mechanical life.
- Beautiful appearance meet ergonomic design.

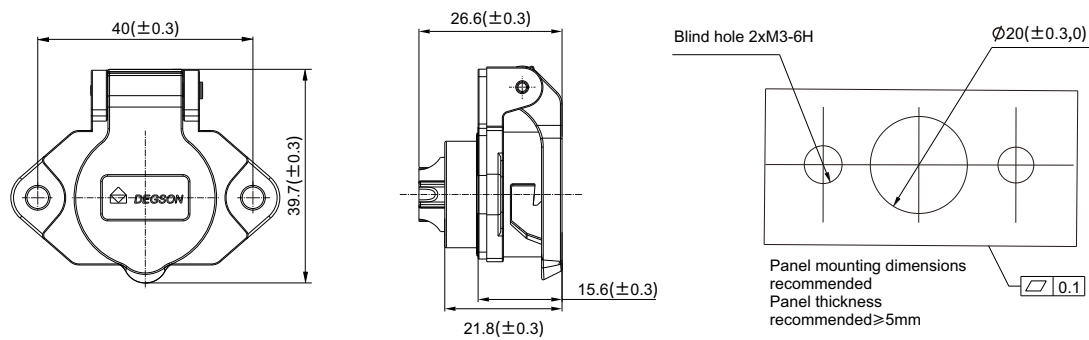


EBC Charging Inlet

Technical Data

Rated current	Power 50A , signal 2A	Wiring connection	Soldering
Rated voltage	110V AC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	≥100MΩ	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥3000 times
Operating temperature	- 40℃ ~ +105℃	Extraction force	>25N
IP grade	IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBC Charging Inlet

EBSC charger

Application Scope

E-bike charging adapter

Product Features

- Fast connection straightly and directly.
- High mechanical life.
- Appearance is smaller and compact, leaving enough space to bend.

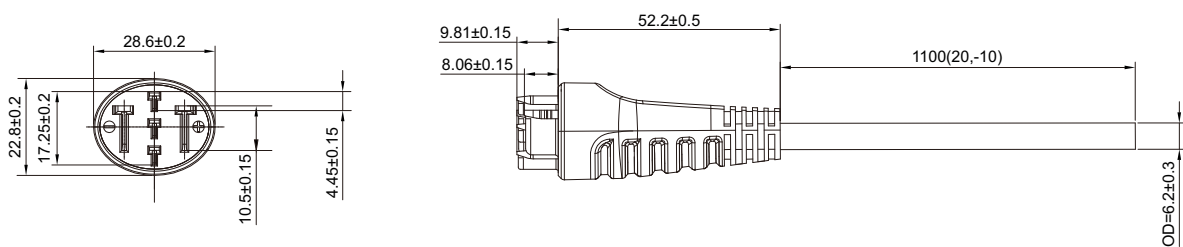


EBSC Charger

Technical Data

Rated current	Power 8A	Wiring connection	Soldering
Rated voltage	48V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 1000\text{M}\Omega$	Withstand voltage	600V DC
Flame retardant rating	UL94V-0	Mechanical life	≥ 1500 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	30~80N
IP grade	/	Environmental protection	Meet RoHS, REACH

Dimension Figure



EBSC Charger

EBSC charging receptacle

Application Scope

E-bike charging port

Product Features

- Fast connection straightly and directly.
- High mechanical life.
- Appearance is smaller and compact, leaving enough space to bend.
- Receptacle with cover flap can effectively protect the interface

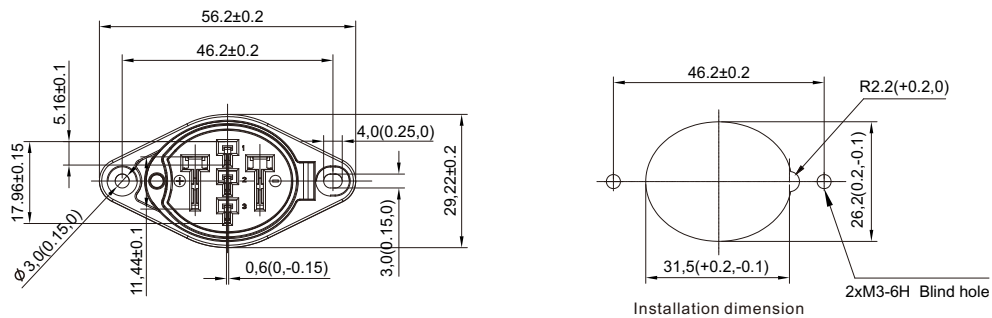


EBSC Charging Receptacle

Technical Data

Rated current	Power 8A	Wiring connection	Soldering
Rated voltage	48V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	250V DC
Flame retardant rating	UL94V-0	Mechanical life	≥ 1500 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	30~80N
IP grade	/	Environmental protection	Meet RoHS, REACH

Dimension Figure



EBSC Charging Receptacle

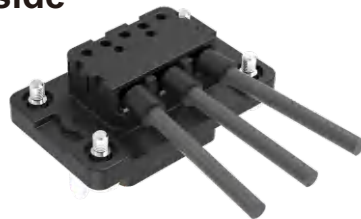
EBBF exchange battery connector for vehicle side

Application Scope

EBIKE battery interface connection for exchanging battery scenarios

Product Features

- The products are matched with each other and have the function of positive and negative insertion.
- The floating amount when the product inserted can compensate the gap between the vehicle body and the battery.
- Alignment and insertion of guide pin conveniently and fastly.
- High mechanical life.

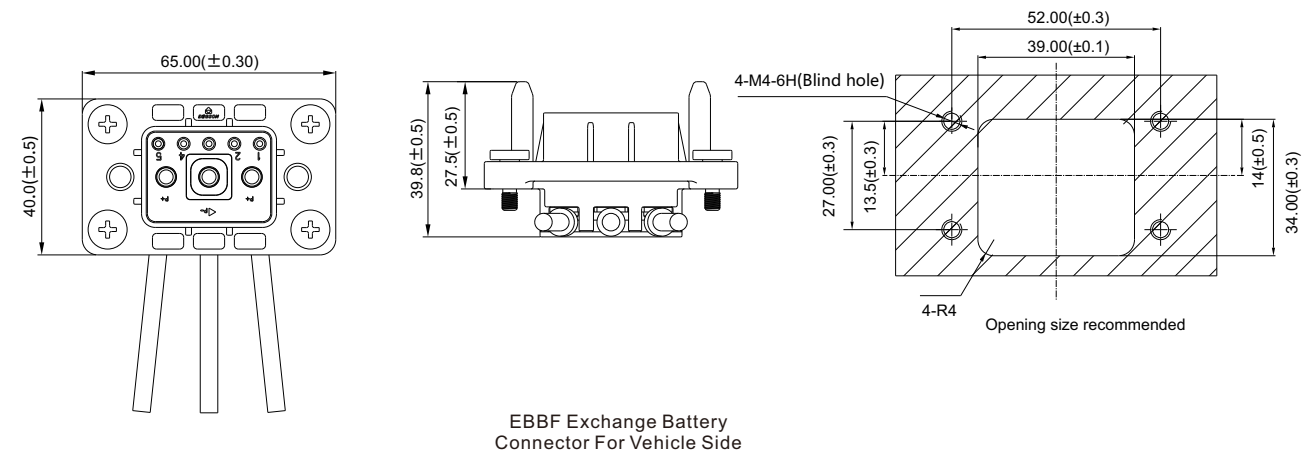


EBBF Exchange Battery
Connector For Vehicle Side

Technical Data

Rated current	Power 60A, signal 5A	Wiring connection	Soldering
Rated voltage	72V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 500\text{M}\Omega$	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 5000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 50\text{N}$
IP grade	IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBF Exchange Battery
Connector For Vehicle Side

EBBF exchange battery connector for battery side

Application Scope

E-bike battery interface connection for exchanging battery scenarios

Product Features

- The products are matched with each other and have the function of positive and negative insertion.
- The floating amount when the product inserted can compensate the gap between the vehicle body and the battery.
- Alignment and insertion of guide pin conveniently and fastly.
- High mechanical life.

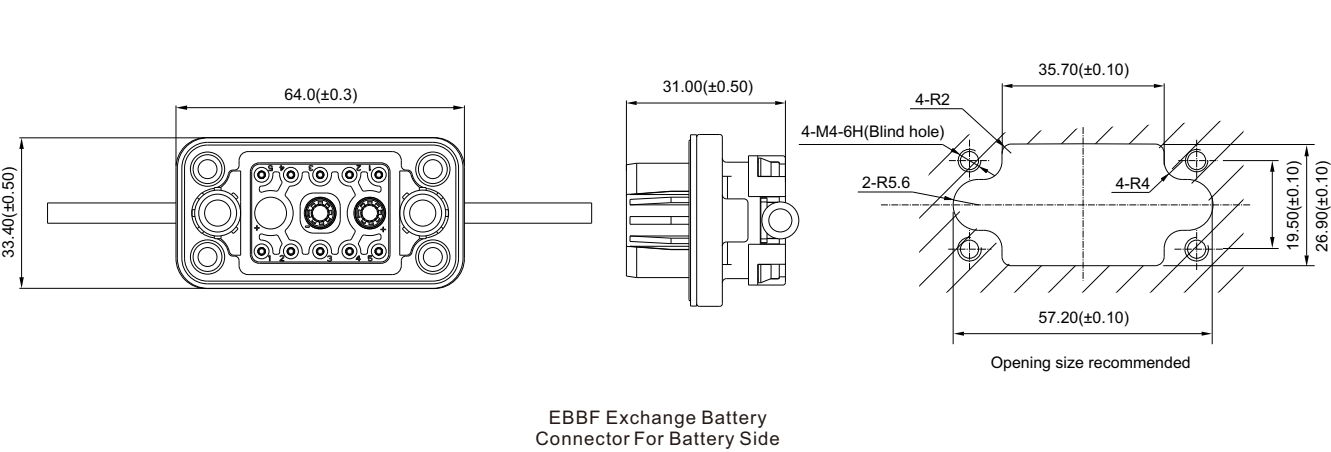


EBBF Exchange Battery
Connector For Battery Side

Technical Data

Rated current	Power 60A, signal 5A	Wiring connection	Soldering
Rated voltage	72V DC	Salt spray resistance	Neutral salt spray 72h
Insulation resistance	$\geq 500\text{M}\Omega$	Withstand voltage	1500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 5000 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 50\text{N}$
IP grade	IP67 when only receptacle	Environmental protection	Meet RoHS

Dimension Figure



EBBF Exchange Battery
Connector For Battery Side

EBM e-motor male connector

Application Scope

EBIKE e-motor interface connection

Product Features

- Compact structure and high space utilization.
- The male connector protect the terminal providing with a protective cover.
- Operation simply in the way of straight mating.
- Beautiful appearance meet ergonomic design.

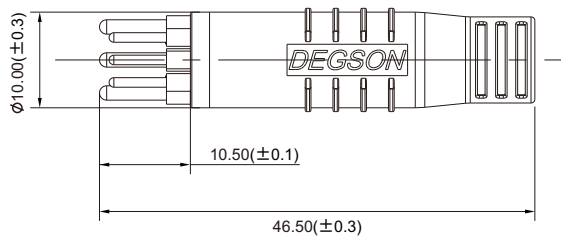


EBM Male Side

Technical Data

Rated current	Power 15A, signal 2A	Wiring connection	Soldering
Rated voltage	60V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	≥30MΩ	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥100 times
Operating temperature	−25°C ~ +80°C	Extraction force	>60N
IP grade	IP67 when mated	Environmental protection	Meet RoHS

Dimension Figure



EBM Male Side

EBM e-motor female connector

Application Scope

E-bike e-motor interface connection

Product Features

- Compact structure and high space utilization.
- Operation simply in the way of straight mating.
- Beautiful appearance meet ergonomic design.

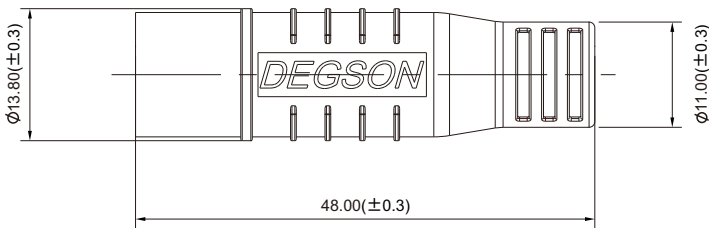


EBM Female Side

Technical Data

Rated current	Power 15A, signal 2A	Wiring connection	Soldering
Rated voltage	60V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	≥30MΩ	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥100 times
Operating temperature	−25°C ~ +80°C	Extraction force	>60N
IP grade	IP67 when mated	Environmental protection	Meet RoHS

Dimension Figure



EBM Female Side

EBIC E-motor power plug

Application Scope

Power and signal transmission between e-motor and battery

Product Features

- Fast connection straightly and directly.
- Press-locking design, compact and convenient.
- Appearance is smaller and compact, leaving enough space to bend.

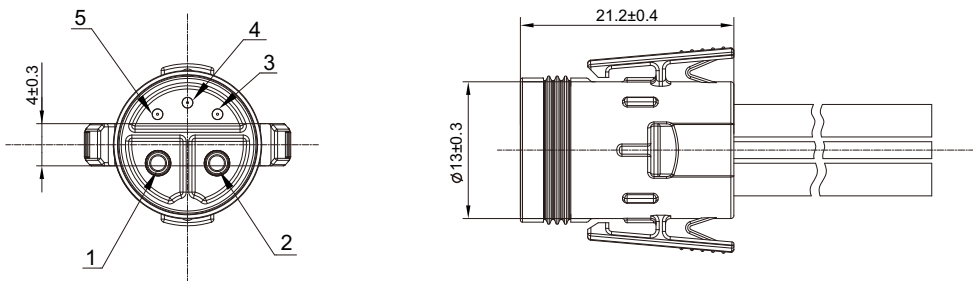


EBIC E-motor Power Plug

Technical Data

Rated current	Power 20A, signal 2A	Wiring connection	Soldering
Rated voltage	48V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	600V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 200 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 50\text{N}$
IP grade	IP67 when mated	Environmental protection	Meet RoHS, REACH

Dimension Figure



EBIC E-motor Power Plug

EBIC E-motor power socket

Application Scope

Power and signal transmission between e-motor and battery

Product Features

- Fast connection straightly and directly.
- Press-locking design, compact and convenient.
- Appearance is smaller and compact, leaving enough space to bend.

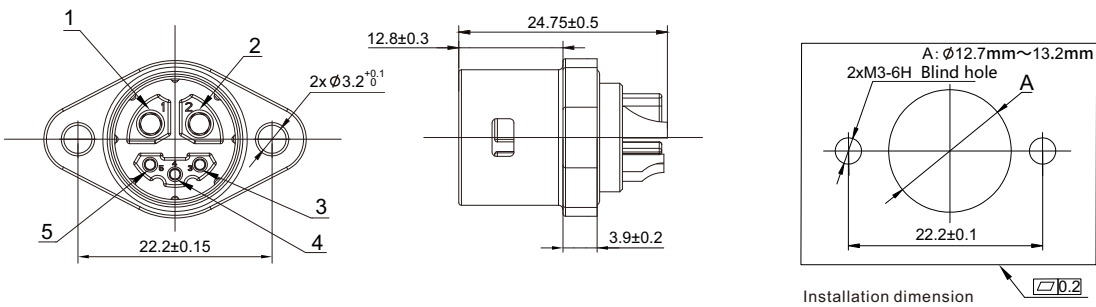


EBIC E-motor Power Socket

Technical Data

Rated current	Power 20A, signal 2A	Wiring connection	Soldering
Rated voltage	48V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 100\text{M}\Omega$	Withstand voltage	600V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 200 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	$> 50\text{N}$
IP grade	IP67 when mated	Environmental protection	Meet RoHS, REACH

Dimension Figure



EBIC E-motor Power Socket

EBS signal male side connectors

Application Scope

This product can be applied to horn,light and brake handle of EBIKE.

Product Features

- Compact structure and high space utilization.
- Automatic alignment when mating and Simple interface.
- Operation simply in the way of straight mating.
- Different colour contribute to recognise.
- Beautiful appearance meet ergonomic design.

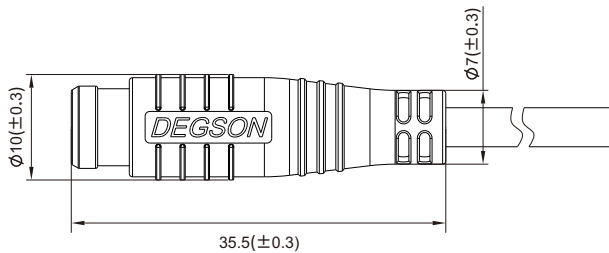


EBS Male Side

Technical Data

Rated current	2A	Wiring connection	Soldering
Rated voltage	48V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	≥30MΩ	Withstand voltage	300V AC
Flame retardant rating	UL94V-0	Mechanical life	≥100 times
Operating temperature	−25°C ~ +80°C	Extraction force	>25N
IP grade	IP66 when mated	Environmental protection	Meet RoHS

Dimension Figure



EBS Male Side

EBS signal female side connectors

Application Scope

This product can be applied to horn,light and brake handle of EBIKE.

Product Features

- Compact structure and high space utilization.
- Automatic alignment when mating and Simple interface.
- Operation simply in the way of straight mating.
- Different colour contribute to recognise.
- Beautiful appearance meet ergonomic design.

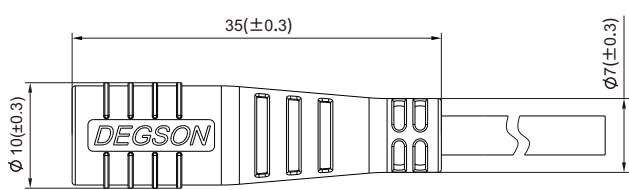


EBS Female Side

Technical Data

Rated current	2A	Wiring connection	Soldering
Rated voltage	48V DC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	≥30MΩ	Withstand voltage	300V AC
Flame retardant rating	UL94V-0	Mechanical life	≥100 times
Operating temperature	−25°C ~ +80°C	Extraction force	>25N
IP grade	IP66 when mated	Environmental protection	Meet RoHS

Dimension Figure



EBS Female Side

EBI adapter cable harness

Application Scope

E-bike signal connecting

Product Features

- Fast connection straightly and directly.
- Compact structure and high space utilization.
- Fool-proofing design, avoid wrong mating.
- Beautiful appearance meet ergonomic design.

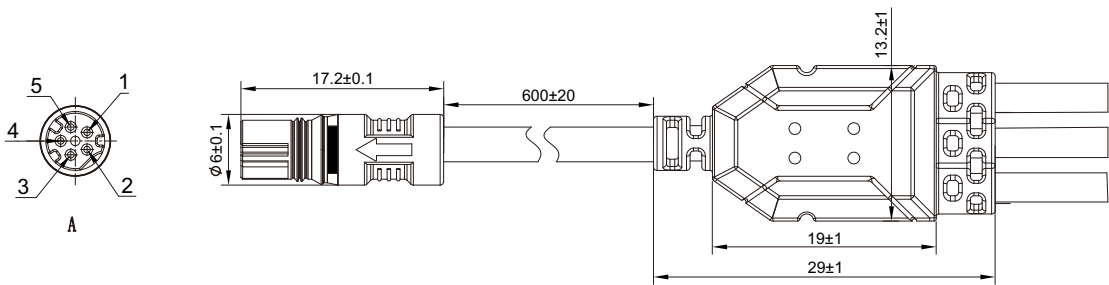


EBI Adapter Cable Harness

Technical Data

Rated current	Signal 2A	Wiring connection	Soldering
Rated voltage	12V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 20M\Omega$	Withstand voltage	500V AC
Flame retardant rating	Wire: FT2; Else: UL94V-2	Mechanical life	≥ 200 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	20~50N
IP grade	IP67 when mated	Environmental protection	Meet RoHS2.0 & REACH

Dimension Figure



EBI Adapter Cable Harness

EBI Signal integration panel

Application Scope

E-bike signal connecting

Product Features

- Fast connection straightly and directly.
- Compact structure and high space utilization.
- Fool-proofing design, avoid wrong mating.
- Beautiful appearance meet ergonomic design.

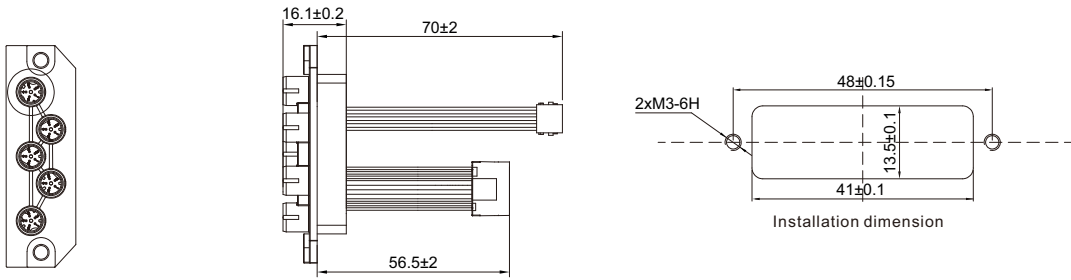


EBI Signal Integration Panel

Technical Data

Rated current	Signal 2A	Wiring connection	Soldering
Rated voltage	12V AC	Salt spray resistance	Neutral salt spray 48h
Insulation resistance	$\geq 20M\Omega$	Withstand voltage	500V AC
Flame retardant rating	UL94V-0	Mechanical life	≥ 200 times
Operating temperature	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$	Extraction force	20~50N
IP grade	IP67 when mated	Environmental protection	Meet RoHS2.0 & REACH

Dimension Figure



EBI Signal Integration Panel