

EXCEL | MATE CC

Excel | Mate CC connectors, IP55, aim to provide a global charging solution on both sides of the infrastructure, EVSE and EV. Outfitted with Amphenol Radsok technology (for socket contacts), these high-performance connectors meet all the necessary standards. In addition, their locking system assures an optimal safety.



HVCO GB/T connectors are all compliant with GB/T 20234.1 / 2/3 standards.

HVCO IEC connectors are all compliant with IEC 62196-2, IEC 61851-1 standards.



HVCO COMBO connectors are all compliant with IEC 62196-2, IEC 62196-3 standards.



MCS connectors are all compliant with IEC TS 63379, IEC 61851-23-3



NACS connectors are all compliant with SAE J3400, UL2251.

EXCEL | MATE MONO

Excel | Mate Mono connectors provide a convenient push-pull locking system suitable for limited fixing space, which make it easy to

operate. IP68 rated, their rugged metal shell ensures an excellent electromagnetism shielding. A wide range of contact sizes and

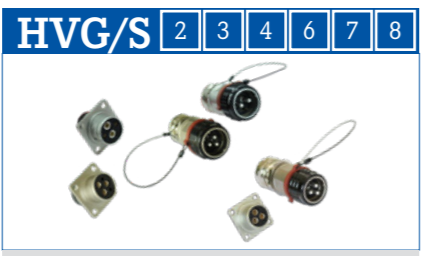
multiple coding positions are both available.



HVBI is an enhanced version of HV series connectors. This second generation of products offers an interlock system and high voltage. Rated current: 250A Max / rated voltage: 1000V DC / wire range: 16 to 70mm²

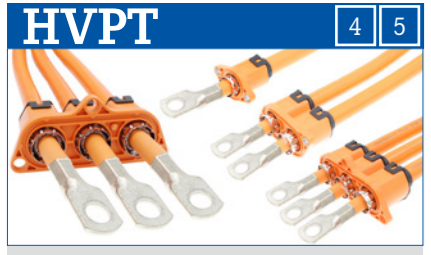


EX Series is the newest series among the Excel | Mate Mono product family. It offers a rated current up to 40A and a rated voltage of 1000V DC Max.



HVG provides a rated current of 50A Max and a rated voltage of 800V DC Max. This product offers a mix & match of insert arrangements. HVS is a 3 pins connector. Small in size, it offers a rated current of 32A Max and a rated voltage of 400V.

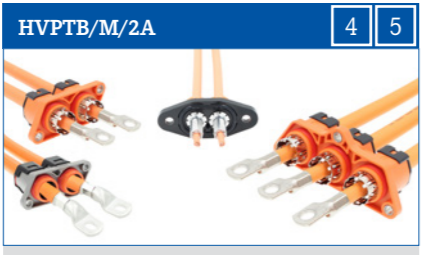
EXCEL | MATE PT



Excel | Mate PT series, which is equipped with plastic housing and cable gland, provides a reliable high voltage connection. IP68 rated, light in weight and easy to install, it offers a good price-quality ratio. Multiple coding positions are available. Cable size: 25 to 70mm² shielded wires



2 to 3 positions / Easy to install / Reliable connection / IP68 (mated), IP6K9K / Multiple coding positions / 360° shielded from wire to device / Economical



Light in weight with plastic shell / Easy to install / Reliable connection / IP68 (mated), IP6K9K / Multiple coding positions / 360° shielded from wire to device / Economical HVPTB: 25 to 70mm² shielded wires HVPTB M: 16 to 70mm² shielded wires HVPTB 2A: 2.5 to 6mm² shielded wires

BSM, HEV & LVRC

BSM series connectors are Battery Swapping Modules with high durability. Their deviation self-correction and collision prevention ensure a fast and precise mating. RADSOK® Technology. Excellent physical shock and vibration. Distinct function for deviation-auto correction, can adjust deviation of X, Y, Z. X and Y direction ±2mm and Z direction ±5mm. For custom orders, please contact us. Amphenol PCD Shenzhen is able to provide customized solutions to meet our customers' needs.

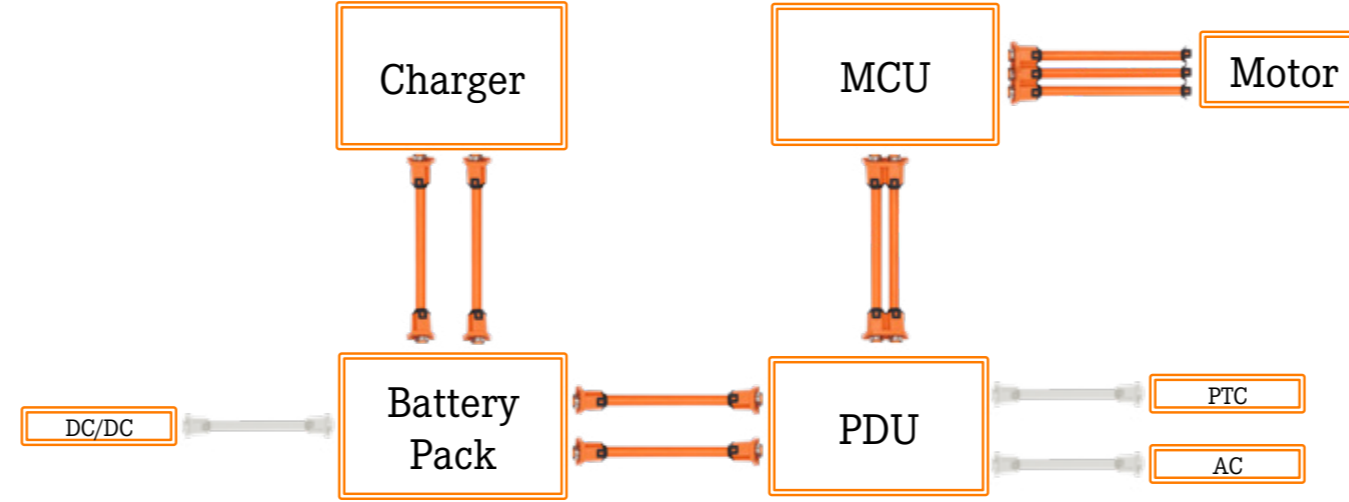


CHARGER 1

BATTERY PACK 2

PDU 3

MCU 4



EXCEL | MATE



HVSL1200 and HVSL1400 are the latest generation of the Excel | Mate series. The 12mm and 14mm contacts combined with an interlock solution ensure a safe and reliable connection.



HVSL1000 offers a rated current of 250A Max and a rated voltage up to 1000V. It is perfectly suitable for EV applications such as power solutions.



HVSL800, which derived from HVSL1000, is smaller in size. This 2 and 3 pins connector provides a rated voltage up to 1000V and a rated current of 180A Max.

EXCEL | MATE MSD

MSD	with fuse	with shunt
MSD	600V Current is approximately 1/3 the fuse rating	1000V 260A@Ambient 70°C
MSD V	800V Current is approximately 1/3 the fuse rating	1000V 260A@Ambient 70°C
MSD XL	1000V 300A	1500V 300A
MINI MSD	600-700V Current is approximately 1/3 the fuse rating (170A Max)	1500V 170A
MINI MSD V	600-700V Current is approximately 1/3 the fuse rating (170A Max)	1500V 220A
MCMSD		1500V

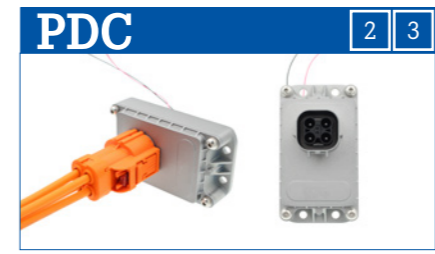


MOTOR 5

DC/DC 6

PTC 7

AC 8



EXCEL | MATE ECO



HVSLW 282, 362, 633: 2 and 3 pins / 1000V A light-weight, waterproof version of the HVSL connector with soldered pins for PCB board.

EXCEL | MATE ECO

Excel | Mate series is the newest generation of power & signal connection solution for EV applications. In accordance with AK 4.43 & LV 215 standards,

it provides a two-stage lever mechanism to open the HVIL circuit, prior to separation of high voltage contacts. HVSL offers a wide range of options: from 1 to 4

positions, a rated current from 23A to 350A, touch-proof, equipped with high-voltage interlock (HVIL), and multicore or individually shielded wire are both available.



HVSL600 is a single pin connector, which provides a rated current of 120A and a 25mm² crimping cable. It can be used with multi-core or single-wire. An integrated internal HVIL with multiple routing options offers a package size optimization and flexibility.



HVSL630 is a 2 positions connector, which offers a range of current from 23A to 40A and a 4 to 6mm² crimping. It was specially designed for DC-DC, air-conditioner and other EV equipment and devices.



HVSL633 is a 3 positions connector, which offers a range of current from 23A to 40A and a 4 to 6mm² crimping. It was specially designed for DC-DC, air-conditioner and other EV equipment and devices.



HVSL280 is a 3 positions connector, which provides a range of rated current from 16A to 23A. It was specially designed for DC-DC, air-conditioner, and other EV equipment and devices.



HVSL282 is a 2 positions connector, which provides a range of rated current from 16A to 23A. It was specially designed for DC-DC, air-conditioner, and other EV equipment and devices.



HVSL362: 2 pos. / up to 95A / 16mm² (shielded wire) HVSL362 was specially designed for DC-DC, air-conditioner, and other EV equipment and devices.



HVSL364: 4 pos. / up to 80A / 2.5 to 16mm² (shielded wire) HVSL364 was specially designed for DC-DC, air-conditioner, and other EV equipment and devices.



HVSL365 & HVSL366: 5 to 6 pos. / up to 40A / 4 to 6mm² (shielded wire) HVSL365 & HVSL366 were specially designed for DC-DC, air-conditioner, and other EV equipment and devices.



HVSL635B: 4 to 5 pos. / up to 40A / 2.5 to 6mm² (shielded wire) HVSL635B was specially designed for DC-DC, air-conditioner, and other EV equipment and devices.

PDU

EXCEL | MATE MONO
 EXCEL | MATE MSD
 EXCEL | MATE MAX
 EXCEL | MATE PLUS
 EXCEL | MATE S
 EXCEL | MATE METAL
 EXCEL | MATE ECO
 CHD, HVSLF, HVPC 18, PDC



MCU

EXCEL | MATE MONO
 EXCEL | MATE PT
 EXCEL | MATE MAX
 EXCEL | MATE PLUS
 EXCEL | MATE S
 EXCEL | MATE METAL
 EXCEL | MATE ECO
 CHD, HVSLF, HVPC 18



MOTOR

EXCEL | MATE MONO
 EXCEL | MATE PT
 EXCEL | MATE MAX
 EXCEL | MATE PLUS
 EXCEL | MATE S
 CHD, HVSLF



Amphenol PCD Shenzhen

Building C
 Dagang Industrial Zone
 Guangming District
 Shenzhen 518132
 China

Tel: +86 755-8173-8000
 Fax: +86 755-8173-8180
 Email: inquiry@amphenolpcd.com.cn

www.amphenolpcd.com.cn



HIGHPOWER @ AMPHENOL
 TRUSTED GLOBALLY

Amphenol PCD Shenzhen

INTERCONNECT SOLUTIONS FOR

EV



www.amphenolpcd.com.cn

EV

Amphenol PCD Shenzhen targets to provide a Total Solution for EV.

CHARGER

EXCEL | MATE CC:

GB/T AC COMBO
 GB/T DC MCS
 SAE / IEC NACS



BATTERY PACK

EXCEL | MATE CC
 EXCEL | MATE MONO
 BSM, HEV, LVRC
 EXCEL | MATE MSD
 EXCEL | MATE MAX, PLUS, S
 EXCEL | MATE METAL
 EXCEL | MATE ECO
 CHD, HVSLF, HVPC 18, PDC



COMPANY PROFILE

Amphenol PCD Shenzhen Co., Ltd. is part of the Amphenol Industrial Products Group. Amphenol is one of the world's leading manufacturers of interconnect products. With world-class engineering and manufacturing capabilities, we design, manufacture and deliver interconnect cables assemblies, connectors and complete customized interconnect solutions for the industrial, railway and hybrid electrical vehicle markets.

DC/DC

EXCEL | MATE MONO
 EXCEL | MATE METAL
 EXCEL | MATE ECO
 HVPC 18

DC/DC

PTC

EXCEL | MATE MONO
 EXCEL | MATE ECO

PTC

AC

EXCEL | MATE MONO
 EXCEL | MATE ECO

AC

Notes:

Amphenol PCD Shenzhen has made every effort to ensure that the information contained in this brochure is accurate at the time of publication. Specifications or information stated in this publication are subject to change without notice.

Amphenol PCD Shenzhen reserves the right to clarify this catalog.

Ref. No: EV-ALL-0524