

AMPHENOL PCD

HIGHPOWER @ AMPHENOL  
TRUSTED GLOBALLY



## LVRC

Operating temperature: -40 to 125°C

Rated voltage: 250V DC

Rated current: 8A Max

Protection degree: IP67

Rear mounting

Number of contacts: 35



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## MAIN FEATURES

OPERATING TEMP.    INSULATOR    ROHS

-40 to 85°C

UL94  
V-0

YES

**HOLDER with signal contact**



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## MAIN FEATURES

OPERATING TEMP.    INSULATOR    ROHS

-40 to 85°C

UL94  
V-0

YES

EXCELLENT LOW-TEMPERATURE DROP PERFORMANCE  
WITH STRONG INTERNAL WATER PIPE CONNECTION

# CCS2



**IP67**  
Handle  
included

## MAIN FEATURES

| MATING CYCLES    | RATED CURRENT                       | RATED VOLTAGE | PROTECTION   | CABLE RANGE       |
|------------------|-------------------------------------|---------------|--------------|-------------------|
| 20,000<br>cycles | 500 - 600A<br>Peak current:<br>850A | 1000V<br>Max  | IP67<br>IP69 | 35mm <sup>2</sup> |

- Liquid-cooled charging gun
- Partial Potting Filling



If there is a conflict between Drawings and Newsletters, then the Drawings will prevail.

To ensure long-term insulation performances, customers must configure the charging gun's properties according to their own system.

Amphenol PCD

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120mm<sup>2</sup> unshield cable: 360A @ 70°C  
95mm<sup>2</sup> unshield cable: 300A @ 70°C



## MAIN FEATURES

RATED CURRENT    RATED VOLTAGE    IP RATE    ROHS

360A  
Max

1500V  
DC

IP67  
IP6K9K

Yes

**FAST CONNECTION:** CHARGING PLUG TO STATION



# HVES



FOR ENERGY STORAGE



AMPHENOL PCD

## HVSL 282

NEW VERSION

Rated current:

- ▶ 32A@ambient70° (4mm<sup>2</sup>)
- ▶ 23A@ambient70° (2.5mm<sup>2</sup>)

1000V DC

CPA, HVIL

2 Stage Latching

IP67, IPX9K, IP2XB

Multicore Cable

Multiple Coding Positions

360° Shielding

### MULTICORE CABLE



### USCAR-2, USCAR-37

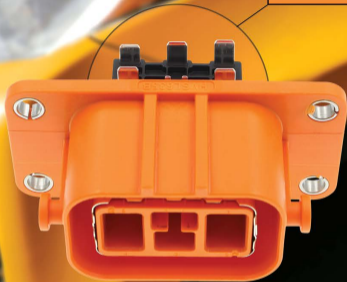
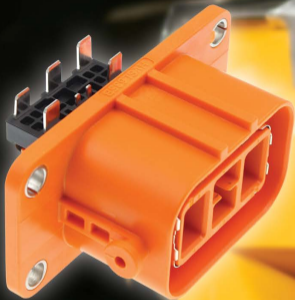
### APPLICATIONS

EV auxiliary devices



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REAR PIN  
STRUCTURE



## MAIN FEATURES

Rated current..... **40A@temp. 70 °C**  
Rated voltage..... **850V DC**  
Interlock..... **HVIL**  
Waterproof (mated)..... **IP67, IP6K9K**  
Touch-proof (unmated)..... **IP2XB**

Ambient temp..... **-40 to 70 °C**  
Shielding..... **Yes**



**HVSL635B**  
REAR PIN SOCKET



HIGHPOWER @ AMPHENOL  
TRUSTED GLOBALLY



CE 61984, UL4128 APPROVED

## MAIN FEATURES

RATED CURRENT    RATED VOLTAGE    PROTECTION    RoHS

350A

1500V  
DC

IP67  
IPX9K

Yes

MCMSDFRS03  
MCMSDMXS03  
MCMSDFRS04



# MCMSD

MAINLY FOR ENERGY STORAGE  
& ELECTRIC VEHICLE-FRIENDLY





HIGHPOWER @ AMPHENOL  
TRUSTED GLOBALLY

## MAIN FEATURES

RATED CURRENT    RATED VOLTAGE    PROTECTION    RoHS

630A  
(FUSED)

500V  
DC

IP67  
IPX9K

Yes

# MSDE

MAINLY FOR ENERGY STORAGE  
& ELECTRIC VEHICLE-FRIENDLY



HIGHPOWER @ AMPHENOL  
TRUSTED GLOBALLY

NACS

SAE J3400 WIP

Amphenol PCD

## MAIN FEATURES

MATING CYCLES   RATED CURRENT   RATED VOLTAGE   IP RATE   ROHS

10,000  
cycles

40A, 50A,  
80A

600V AC  
1000V DC

IP67  
IP69

YES





HIGHPOWER @ AMPHENOL  
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IEC  
TYPE 2

## MAIN FEATURES

AMBIENT TEMP.    MATING CYCLES    IP RATE    ROHS

-30 to 50°C

10,000

IP55  
LOCKED

YES



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|  |  |
|--|--|
| Current Rating:  | 6A Max.  |
| Finishing:   | Gold Plating   |
| Packaging:   | Reel for SMD   |
| SMD Pad dimensions and tolerances:                         | L=6.7±0.1/-0, W=1.95<br>Through hole L=2.4, W=1.4                  |
| Solder SMD Paste:  | LOCTITE<br>LE31890i SC   |
| Insertion Force:   | ≤6N  |
| Ambient Temperature Distribution (Driving duration 8000H): | -40°C / 6%<br>30°C / 20%<br>95°C / 65%<br>135°C / 8%<br>155°C / 1% |
| Relative Humidity:   | Up to 100%   |
| Average Relative Humidity:                                 | 65%  |
| High/Low Temperature Storage acc. to MBN 10306:            | K-01   |
| Temperature Test Step acc. to MBN 10306:                   | K-02   |
| Thermal Shock (component) acc. to MBN 10306:               | K-05   |
| Vibration Test acc. to MBN 10306:                          | M-04   |
| Technical Cleanliness:                                     | DBL 65 16.30 and VDA 19  |

**P01ES00033**