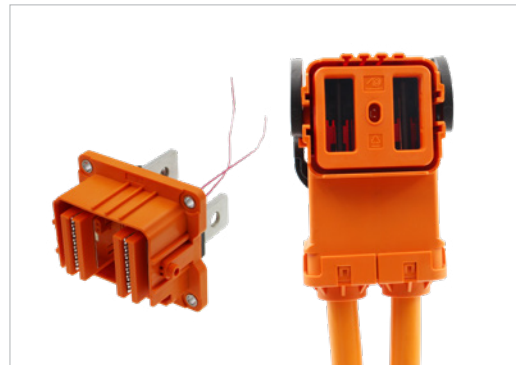




EXCEL | MATE

HVSL Series



When high-performance and increased safety are required in HEV, Amphenol PCD's **EXCEL | MATE** connectors fulfill the challenge.

HVSL Series is designed for various HEV applications, including power and signal interconnect solutions. Different versions are available, from 1 position to 6 positions and a rated current from 20A to 450A.

Product	HVSL 1400	HVSL 1200	HVSLP 1200	HVSL 1000	HVSLP 1000	HVSL F18	HVSL F300	HVSL 800	HVSLP 800	HVPC 800	HVPC 18	HVSL 800	HVSL 8003	HVSL 600	HVSL 600	HVSL 630	HVSL 633	HVSL 635B	HVSL 280	HVSL 282	HVSL 362	HVSL 364	HVSL 365	HVSL 366
Position	2	2	2	1, 2, 3	2	2	2	2, 3	2	2	2	2	2	2, 3	1	2	3	5	3	2	2	3, 4	5	6
Rated Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	690V	1000V	1000V	1000V	1000V	1000V	1000V
Rated Current	450A	350A	400A	250A	250A	270A	430A	180A	200A	180A	250A	180A	180A	120A	120A	40A	40A	40A	32A	32A	95A	80A	40A	40A
HVIL	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Shielding	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Shell	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Metal	Metal	Metal	Metal	Metal	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
IP67, IP6K9K	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Touch-Proof IP2XB	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Cable size mm ²	70 to 120	70 to 95	70 to 95	25 to 70	50 to 70	25 to 70	95 to 120	25 to 50	25 to 50	35 to 50	35 to 70	25 to 50	25 to 50	16 to 25 6/8AWG	25	4 to 6	2.5 to 6	2.5 to 6	2.5 to 4	2.5 to 4	6 to 16	2.5 to 16	2.5 to 6	2.5 to 6
Cable type shielded wire	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	M	I/M	M	M	I/M	I	I	I	I

Cable type shielded wire

I: Individually / **M:** Multicore

Excel|Mate PT
(HVPC 800)

HVPC 800

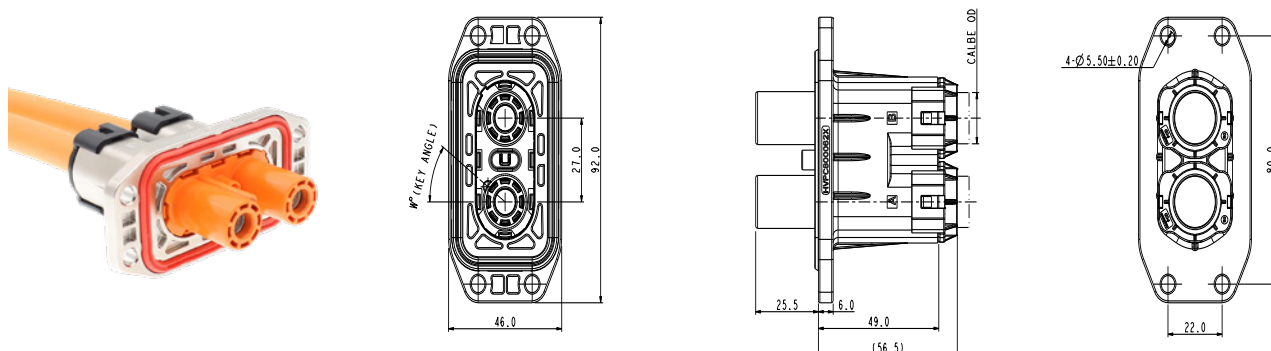


KEY FEATURES

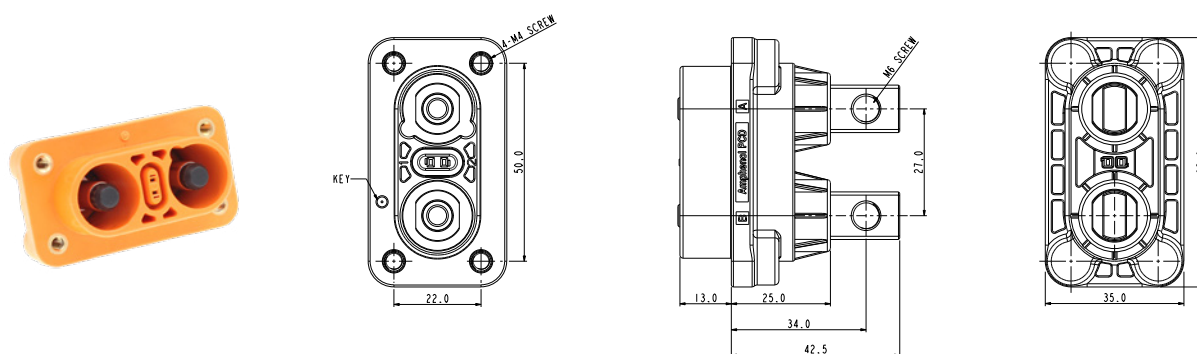
- Easy to install, reliable connection
- Sealing, IP67, IP6K9K (mated)
- Multiple coding positions
- 360° shielded from wire to device
- Economical

MECHANICAL	
Durability	≥ 50 mating cycles
Wire range	35 to 50 mm ² shielded wire
Insertion and extraction force	< 100N
Connection type	Crimp
HVIL	Integrated
ELECTRICAL	
Rated voltage	1000V DC
Rated current	Max 180A @ ambient temperature 70°C
Insulator resistance	> 100MΩ
Dielectric withstand voltage	3000V AC
Shielding	360° from wire to device
ENVIRONMENTAL	
Sealing	IP67, IP6K9K (mated)
Temperature range	-40°C to 125°C
Salt spray	96 hours
STANDARDS	
USCAR-2	
USCAR-37	
LV-215	
RoHS	
MATERIAL	
Housing	Metal

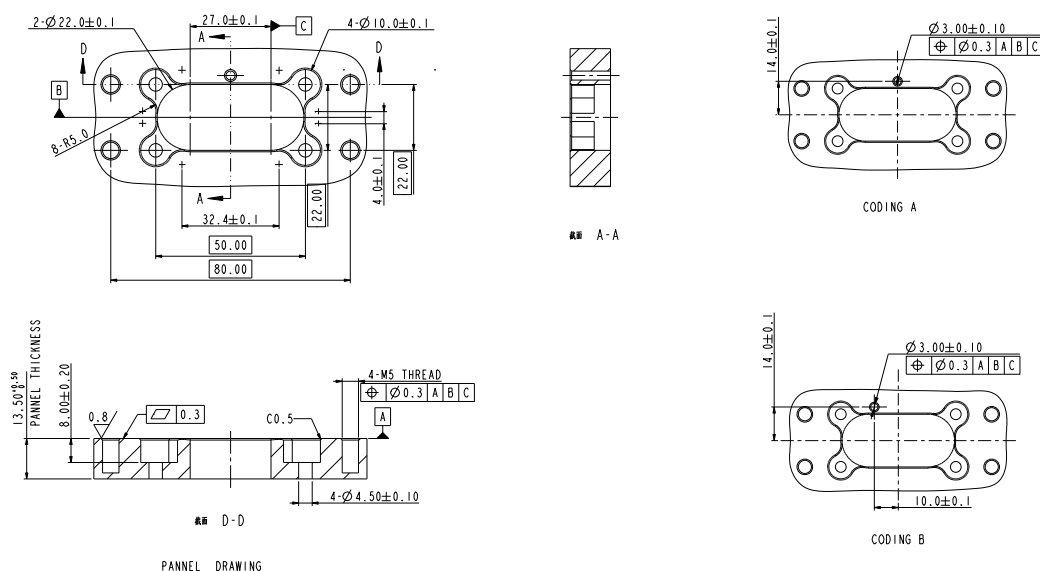
HVPC 800 PLUG



HVPC 800 RECEPTACLE



PANEL MOUNTING DIMENSION



HOW TO ORDER (HVPC 800)

HOW TO ORDER: PLUG

	HVPC 800	06	2	A	1	35
Product type:						
06: Plug						
Position:						
2: 2 positions						
Coding:						
A: Coding A						
B: Coding B						
HVIL:						
0: Without HVIL						
1: With HVIL						
Wire type:						
35: 35mm ² shielded wire						
50: 50mm ² shielded wire						

HOW TO ORDER: RECEPTACLE

	HVPC 800	02	2	A	1	H6
Product type:						
02: Receptacle						
Position:						
2: 2 positions						
Coding:						
A: Coding A						
B: Coding B						
HVIL:						
0: Without HVIL						
1: With HVIL						
Wire type:						
H6: M6 OT terminal						

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Notes:

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Amphenol PCD Shenzhen reserves the right to clarify this catalog.