

ExcelMate S (HVSL800)



EXCEL | MATE S

EXCEL | MATE S is a 2 pin and 3 pin connector with a current carrying capacity from 120 to 200A and 25 to 50 mm² crimping cable.

Specially designed for battery, inverters, junction boxes, power distribution boxes and others HEV devices' equipment.

KEY FEATURES

Integrated internal HVIL

Current rating up to 200A@ ambient temperature 70°C

No tool required to unmate

Sealing, IP67 , IP6K9K

Touch-proof, IP2XB

Multiple coding positions

CPA available

MECHANICAL

Durability	≥ 50 mating cycles
Wire range	25 to 50 mm ² shielded wire
Insertion and extraction force	< 100N
Connection type	Copper bar
HVIL	Integrated
CPA	CPA

ELECTRICAL

Rated voltage	1000V DC
Rated current	Max 200A @ ambient temperature 70°C
Insulator resistance	> 100MΩ
Dielectric withstand voltage	3000V AC
Shielding	360° from wire to device

ENVIRONMENTAL

Sealing	IP67, IP6K9K (mated)
Touch-proof	IP2XB
Temperature range	-40°C to 125°C

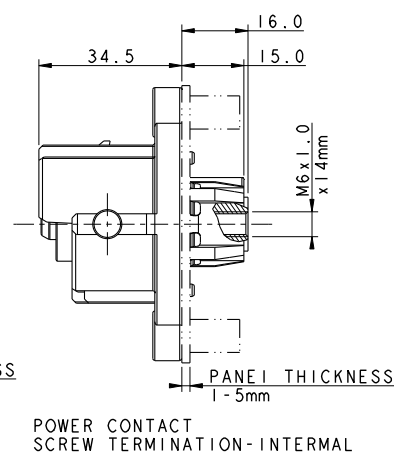
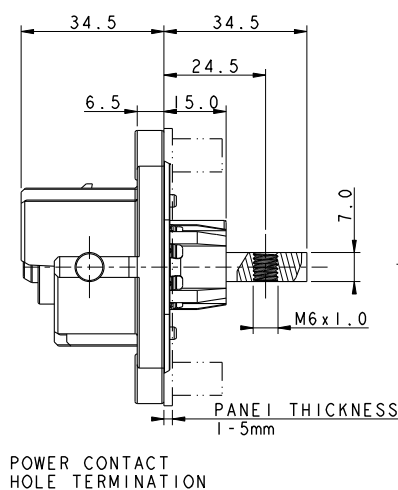
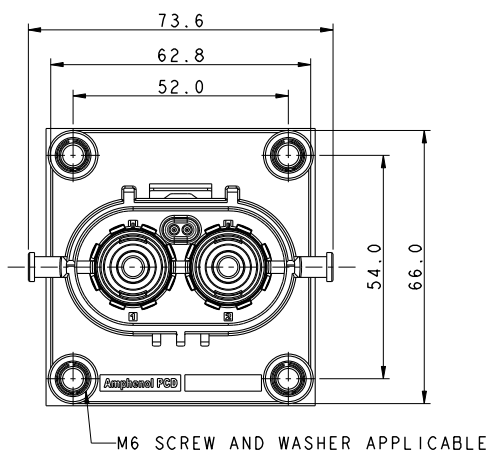
STANDARDS

USCAR-2
USCAR-37
RoHS

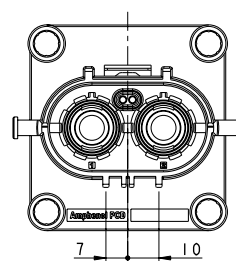
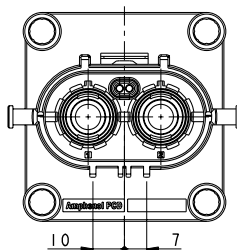
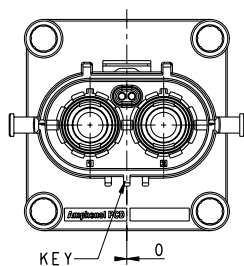
MATERIAL

Contacts	Copper alloy with silver plating
Housing	PA66 + GF
Seal	SR

2 PIN RECEPTACLE

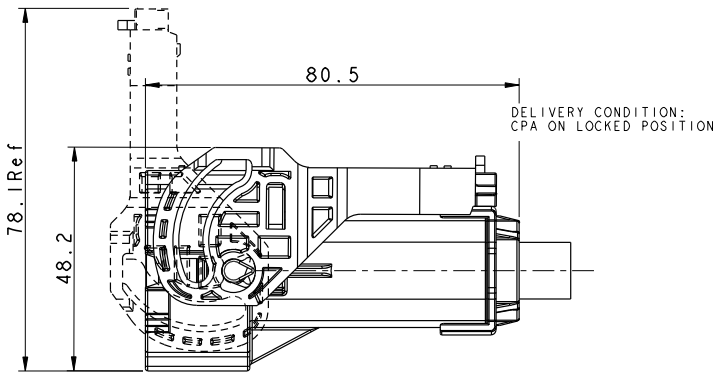
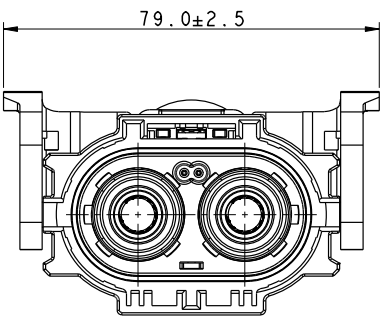


INSERT ORIENTATIONS

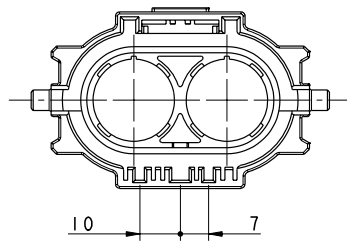
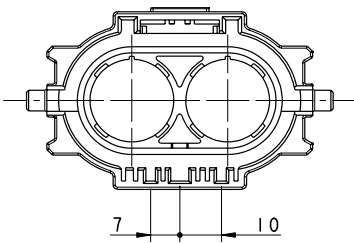
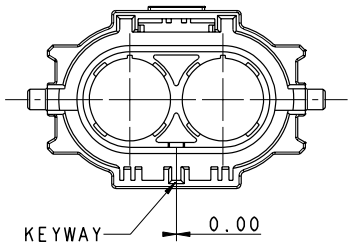


	Coding A	Coding B	Coding C
P/N	HVSL800 02 2 A	HVSL800 02 2 B	HVSL800 02 2 C

2 PIN STRAIGHT PLUG

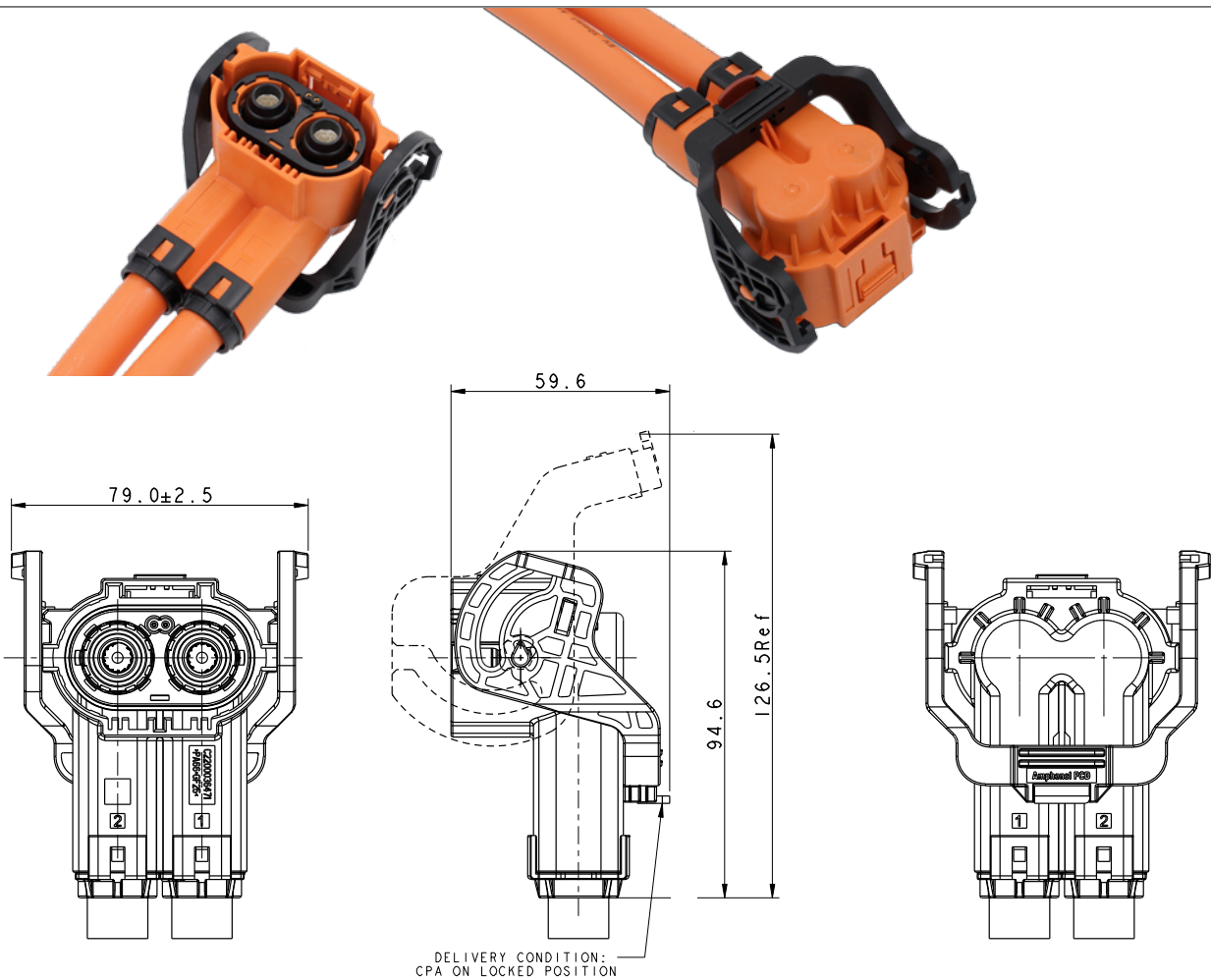


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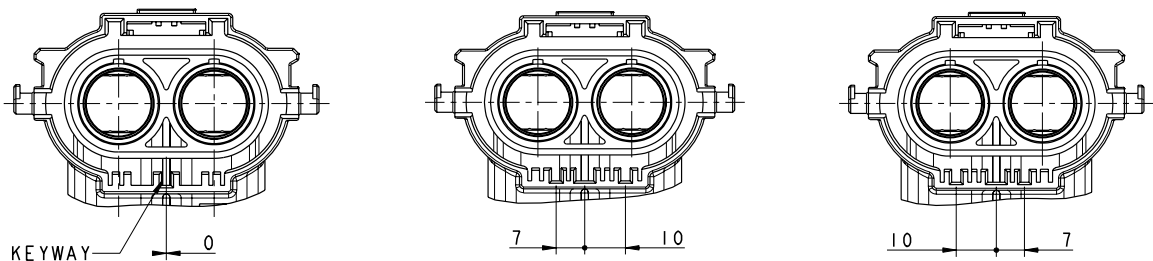


	Coding A	Coding B	Coding C
P/N	HVSL800 06 2 A	HVSL800 06 2 B	HVSL800 06 2 C

2 PIN RIGHT ANGLE PLUG

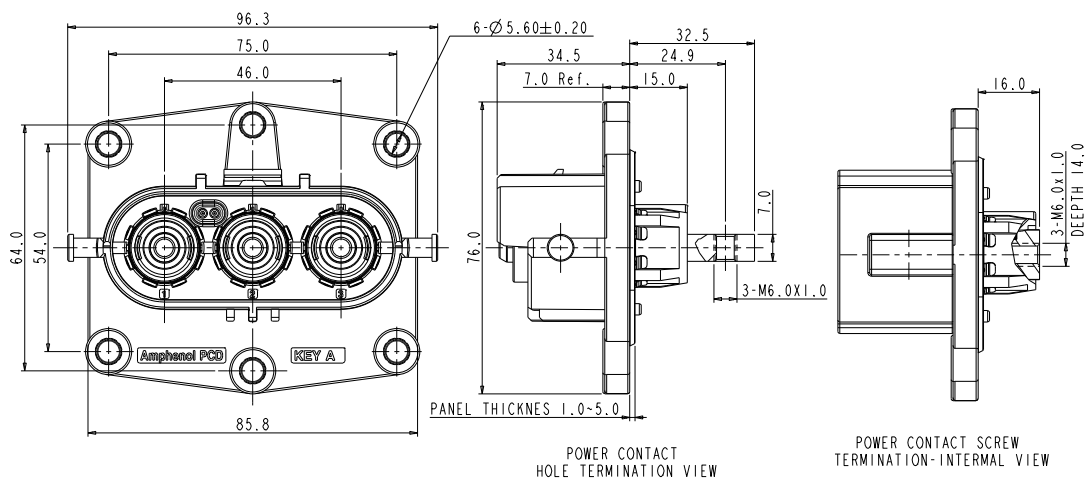
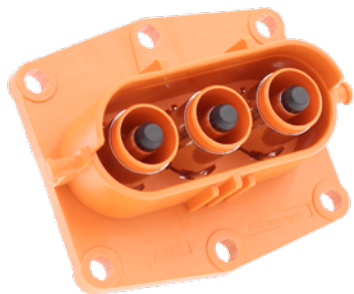


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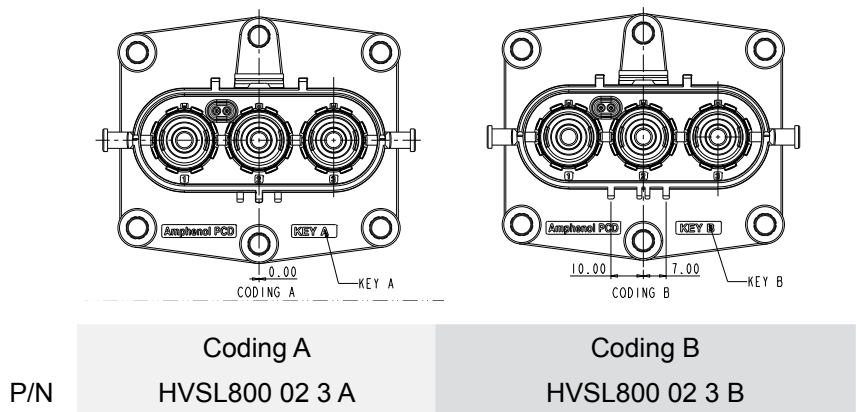


	Coding A	Coding B	Coding C
P/N	HVSL800 08 2 A	HVSL800 08 2 B	HVSL800 08 2 C

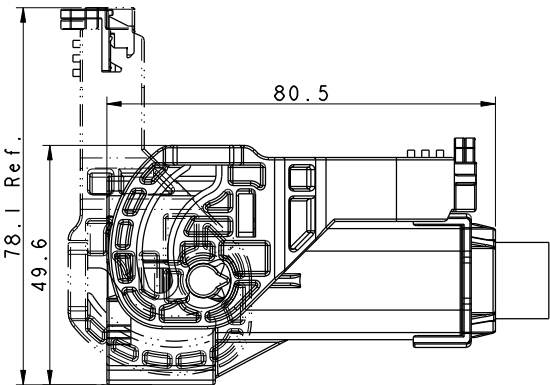
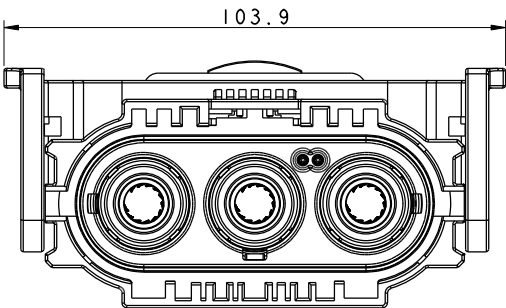
3 PIN RECEPTACLE



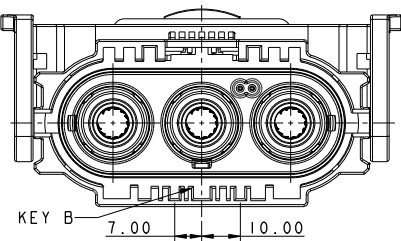
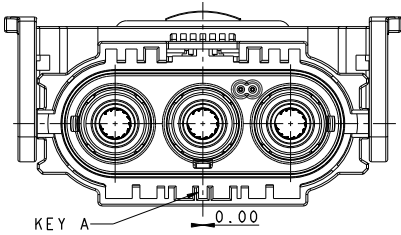
INSERT ORIENTATIONS



3 PIN STRAIGHT PLUG

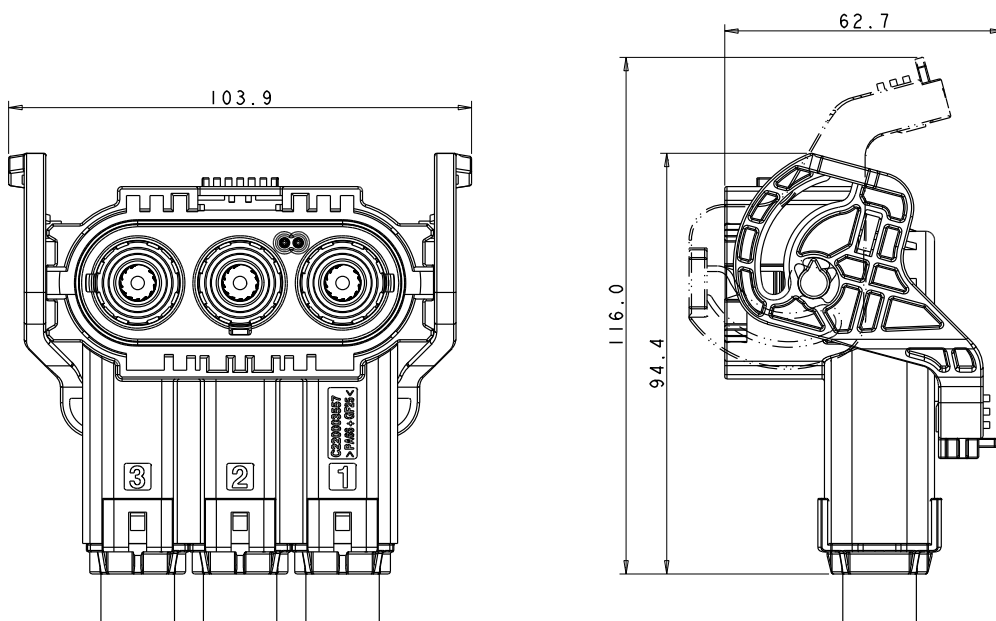


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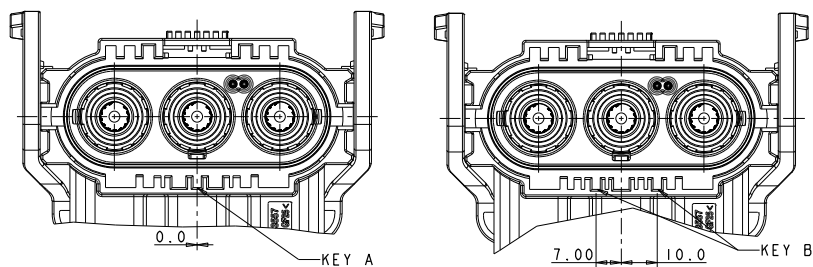


	Coding A	Coding B
P/N	HVSL800 06 3 A	HVSL800 06 3 B

3 PIN RIGHT ANGLE PLUG

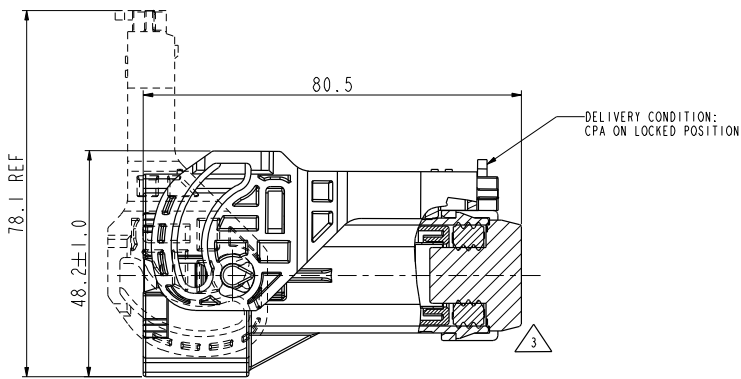
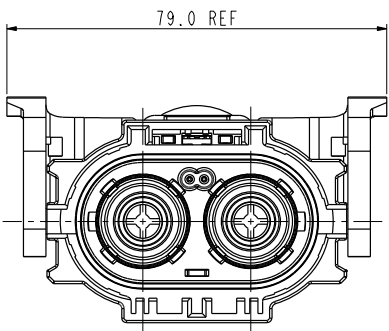


INSERT ORIENTATIONS



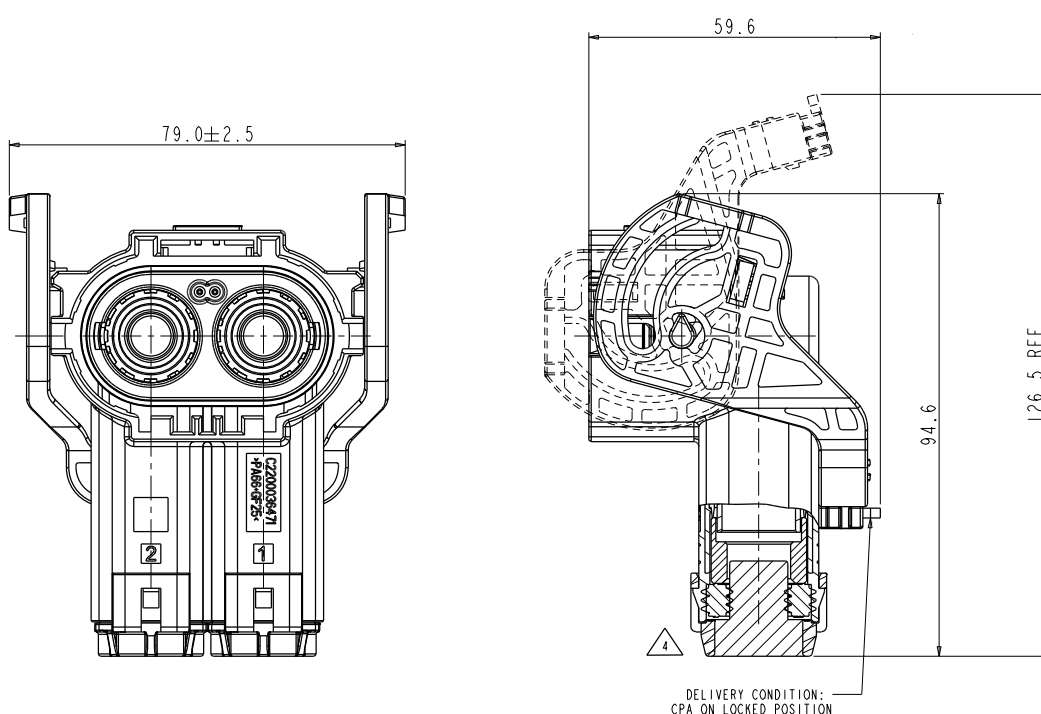
	Coding A	Coding B
P/N	HVSL800 08 3 A	HVSL800 08 3 B

DUMMY STRAIGHT PLUG



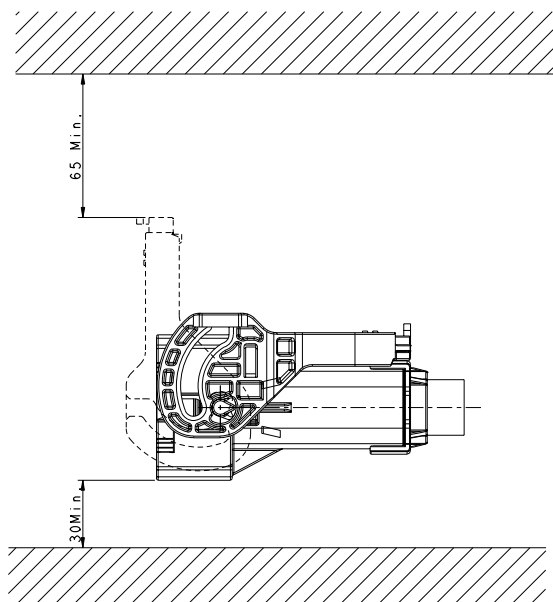
	HVSL800	06	2	A	0	S1
Product type:						
06: Straight plug						
Position:						
2: 2 position						
Coding / Alternate position:						
A: Coding A						
B: Coding B						
C: Coding C						
Interlock:						
0: Without interlock 1: With interlock						
Dummy plug:						
S1						

DUMMY RIGHT ANGLE PLUG



	HVSL800	08	2	A	0	S1
Product type:						
08: Right angle plug						
Position:						
2: 2 position						
Coding / Alternate position:						
A: Coding A						
B: Coding B						
C: Coding C						
Interlock:						
0: Without interlock 1: With interlock						
Dummy plug:						
S1						

INSTALLATION CLEARANCE



EXTRACTION TOOL FOR RECEPTACLE HVIL

HVIL-contact Extraction tool: HVTOOL11R



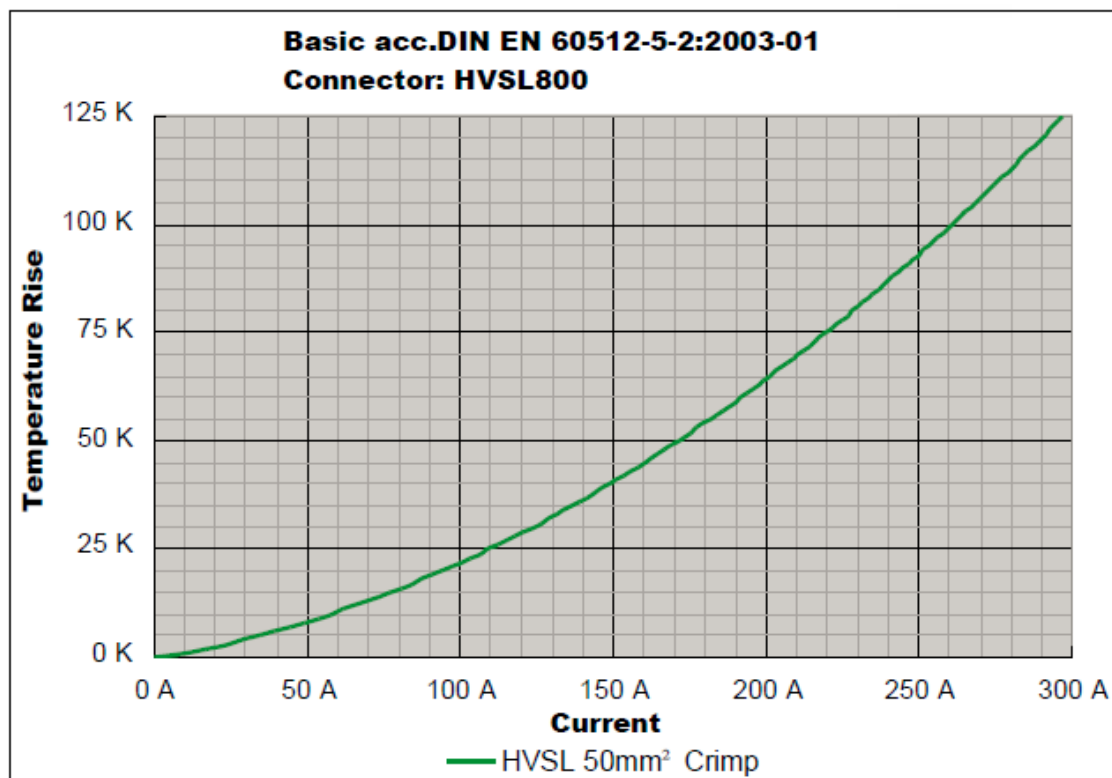
HOW TO ORDER: PLUG

HVSL800	06	2	A	0	50
Product type: 06: Straight plug 08: Right angle plug					
Position: 2: 2 position 3: 3 position					
Coding / Alternate position: A: Coding A B: Coding B C: Coding C (Only for 2 position)					
Interlock: 0: Without interlock 1: With interlock					
Cable size: 25: 25mm ² cable 35: 35mm ² cable 50: 50mm ² cable					

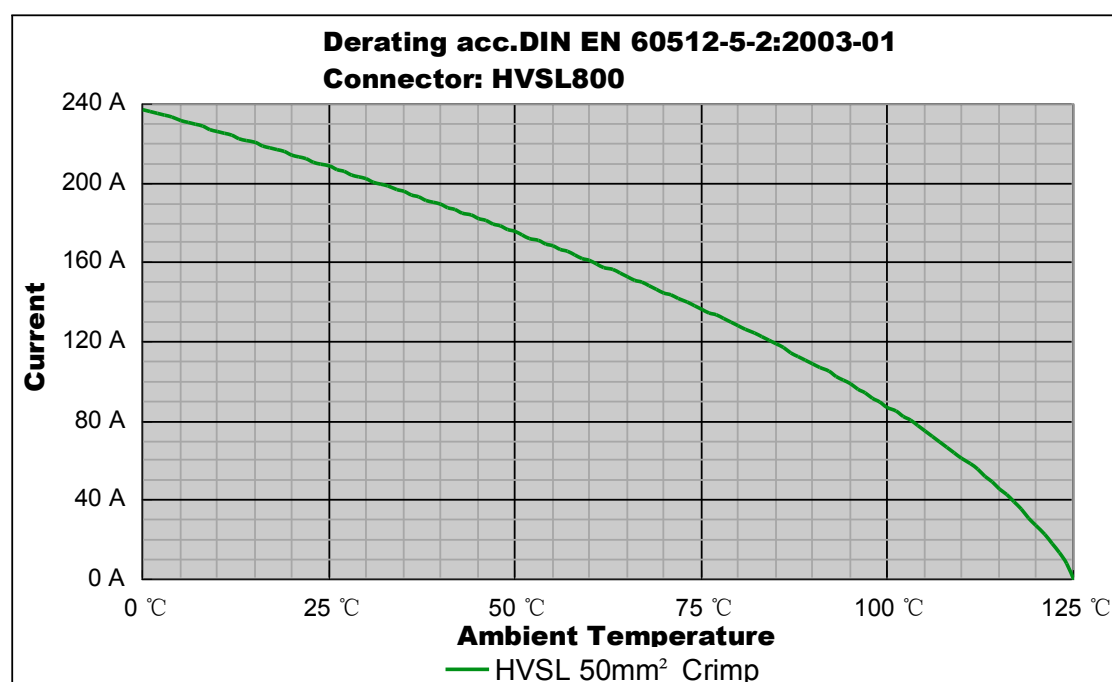
HOW TO ORDER: RECEPTACLE

HVSL800	02	2	A	0	H6
Product type: 02: Box mounted receptacle					
Position: 2: 2 position 3: 3 position					
Coding / Alternate position: A: Coding A B: Coding B C: Coding C (Only for 2 positions)					
Interlock: 0: Without interlock 1: With interlock					
Cable size: H6: Copper bar, OT terminal D6: Screw (Internal), OT terminal					

HVSL 800 | Temperature Rise



HVSL 800 | Derating Curve



Remark: tests carried out on the complete connector.

Excel|Mate S (HVSL P 800)

ExcelMate S (P 800)



EXCEL | MATE S

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KEY FEATURES

Integrated internal HVIL

Current rating up to 200A@ ambient temperature 70°C

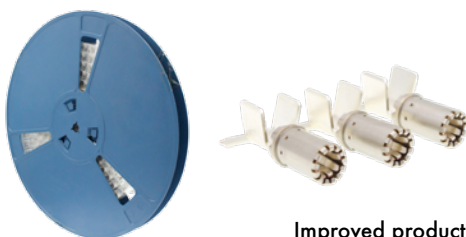
No tool required to unmate

Sealing, IP67 , IP6K9K

Touch-proof, IP2XB

Multiple coding positions

CPA available



Improved production efficiency. Automated tape and reel packaging.

MECHANICAL

Durability	≥ 50 mating cycles
Wire range	25 to 50 mm ² shielded wire
Insertion and extraction force	< 100N
Connection type	Copper bar
HVIL	Integrated
CPA	CPA

ELECTRICAL

Rated voltage	1000V DC
Rated current	Max 200A @ ambient temperature 70°C
Insulator resistance	> 100MΩ
Dielectric withstand voltage	3000V AC
Shielding	360° from wire to device

ENVIRONMENTAL

Sealing	IP67, IP6K9K (mated)
Touch-proof	IP2XB
Temperature range	-40°C to 125°C

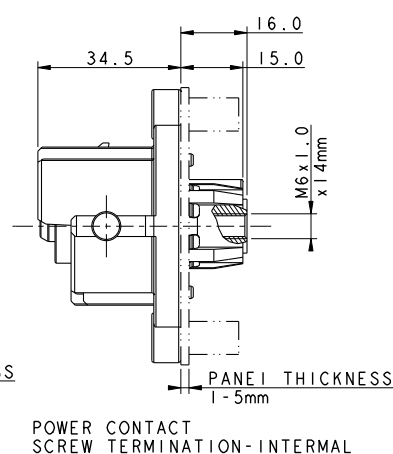
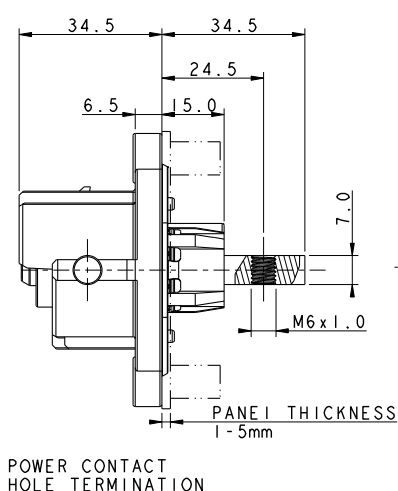
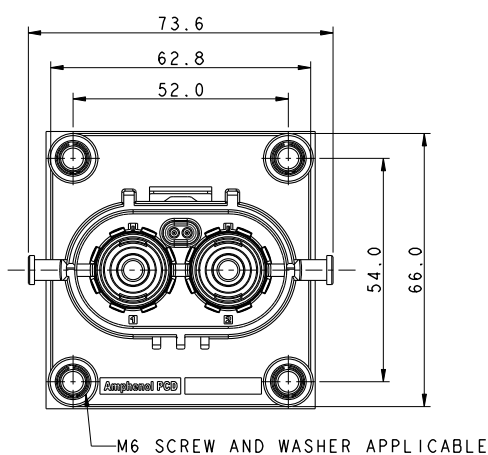
STANDARDS

USCAR-2
USCAR-37
LV-215
RoHS

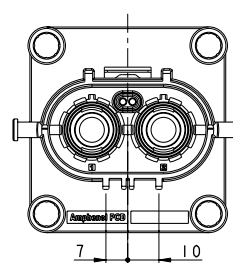
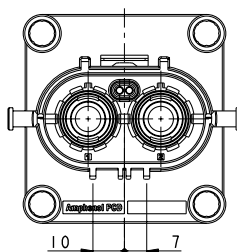
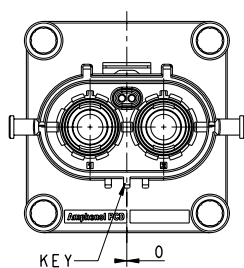
MATERIAL

Contacts	Copper alloy with silver plating
Housing	PA66 + GF
Seal	SR

2 PIN RECEPTACLE



INSERT ORIENTATIONS



P/N

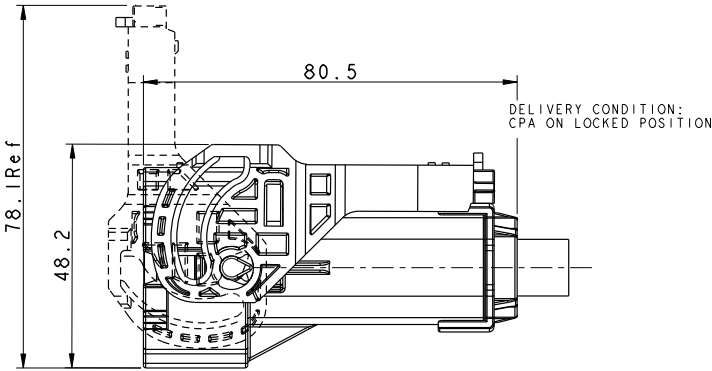
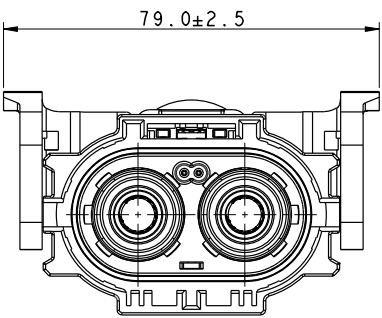
Coding A
HVSLP800 02 2 A

Coding B
HVSLP800 02 2 B

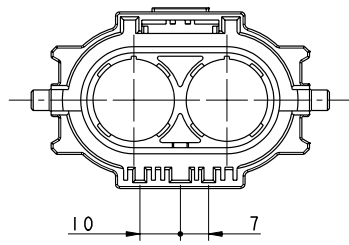
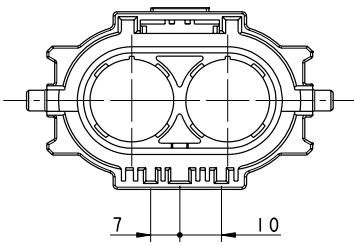
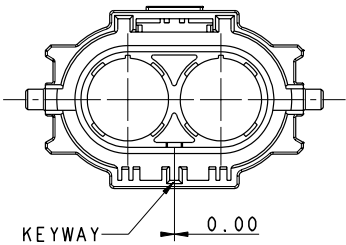
Coding C
HVSLP800 02 2 C

Excel|Mate S
(HVSL P 800)

2 PIN STRAIGHT PLUG

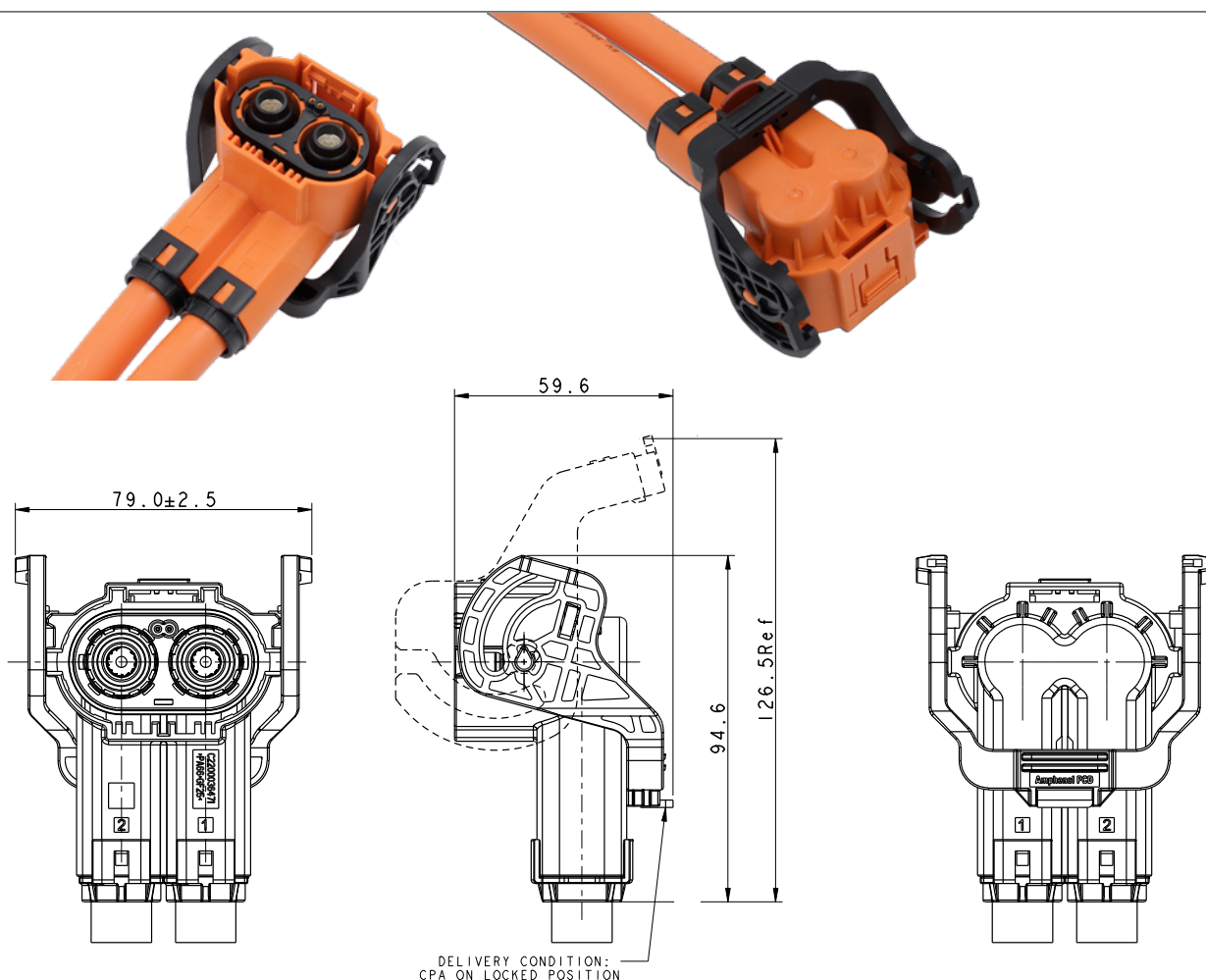


INSERT ORIENTATIONS

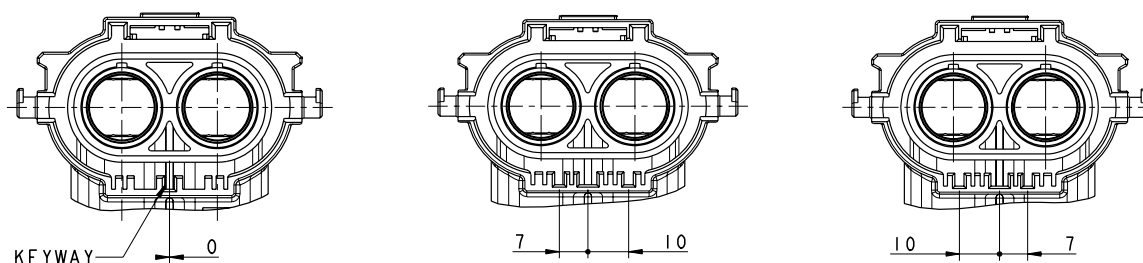


	Coding A	Coding B	Coding C
P/N	HVSLP800 06 2 A	HVSLP800 06 2 B	HVSLP800 06 2 C

2 PIN RIGHT ANGLE PLUG

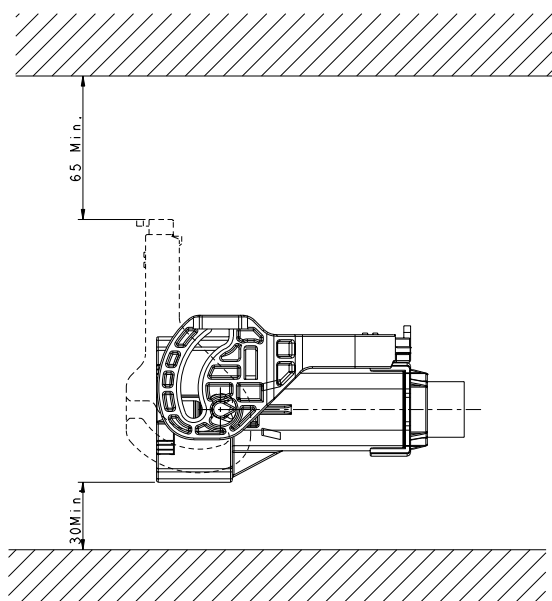


INSERT ORIENTATIONS



	Coding A	Coding B	Coding C
P/N	HVSLP800 08 2 A	HVSLP800 08 2 B	HVSLP800 08 2 C

INSTALLATION CLEARANCE



EXTRACTION TOOL FOR RECEPTACLE HVIL

HVIL-contact Extraction tool: HVTOOL11R



HOW TO ORDER: PLUG

HVSLP800	06	2	A	0	50
Product type:					
06: Straight plug 08: Right angle plug					
Position:					
2: 2 position					
Coding / Alternate position:					
A: Coding A B: Coding B C: Coding C					
Interlock:					
0: Without interlock 1: With interlock					
Cable size:					
25: 25mm ² cable 35: 35mm ² cable 50: 50mm ² cable					

HOW TO ORDER: RECEPTACLE

HVSLP800	02	2	A	0	H6
Product type:					
02: Box mounted receptacle					
Position:					
2: 2 position					
Coding / Alternate position:					
A: Coding A B: Coding B C: Coding C					
Interlock:					
0: Without interlock 1: With interlock					
Cable size:					
H6: Copper bar, OT terminal D6: Screw (Internal), OT terminal					