



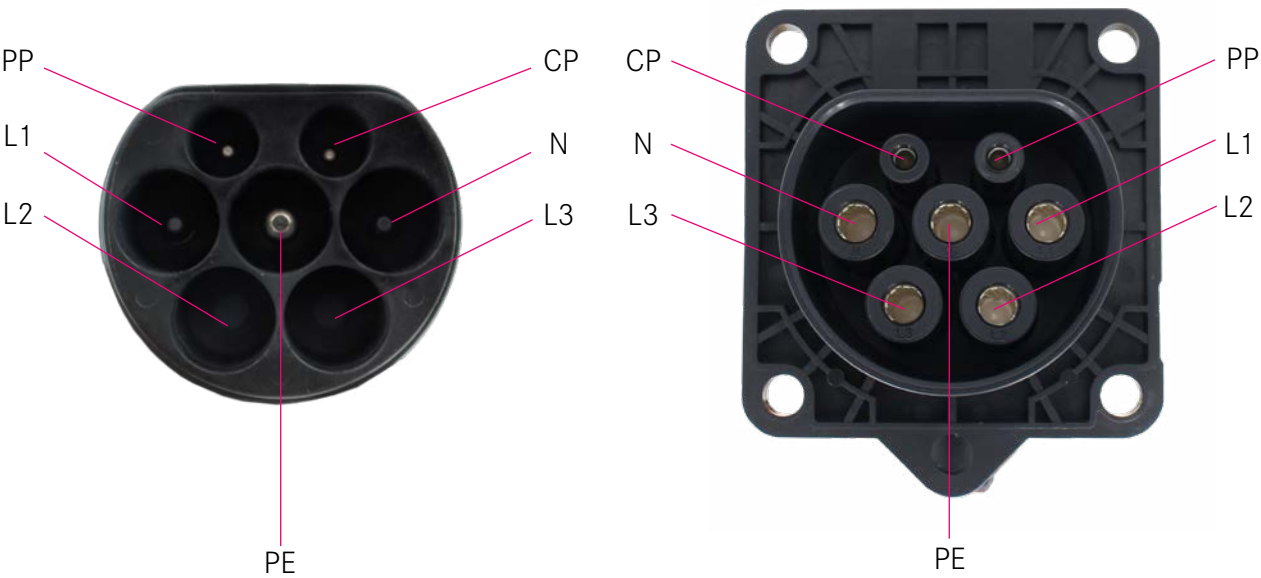
KEY FEATURES:

Compliant with:
IEC 62196-2
IEC 61851-1

Plug: EN17186
Vehicle connector:
CE, EV Ready & UKCA

MECHANICAL	
Mating cycles	> 10,000 cycles (unloaded)
Connector (in mated condition) retention force:	
ELECTRICAL	
Rated current	See page 7
Rated voltage	See page 7
ENVIRONMENTAL	
Protection degree	IP55 (mated)
Ambient temperature	-30°C to 50°C
MATERIAL	
Shell	Thermoplastic
Contact	Copper alloy
Inserts	Thermoplastic
Sealing gasket	Rubber or silicon rubber
Insulator inflammability	UL94V0

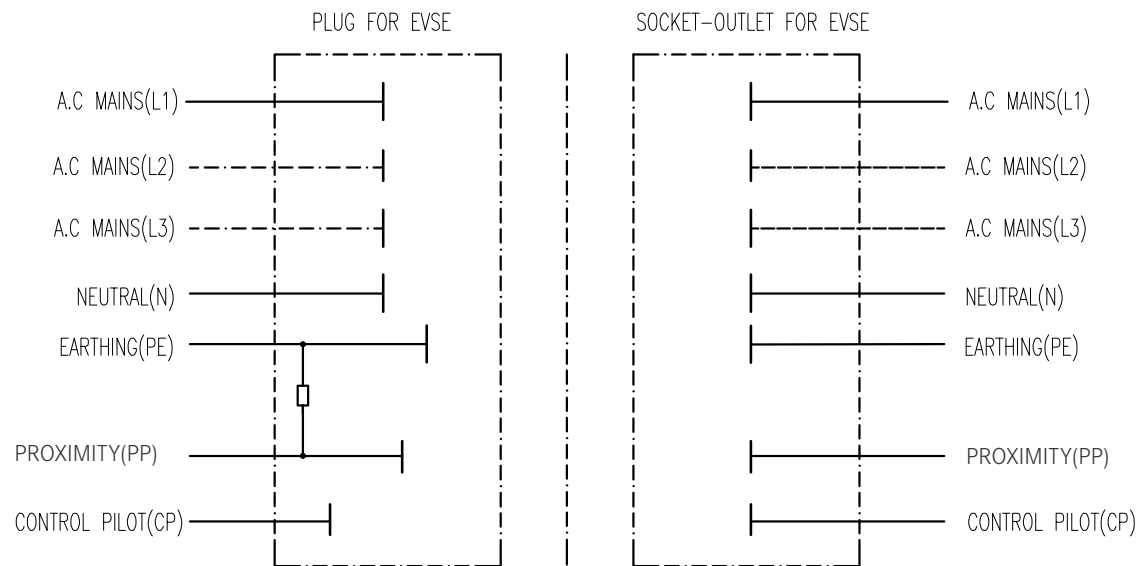
INSERT ARRANGEMENTS



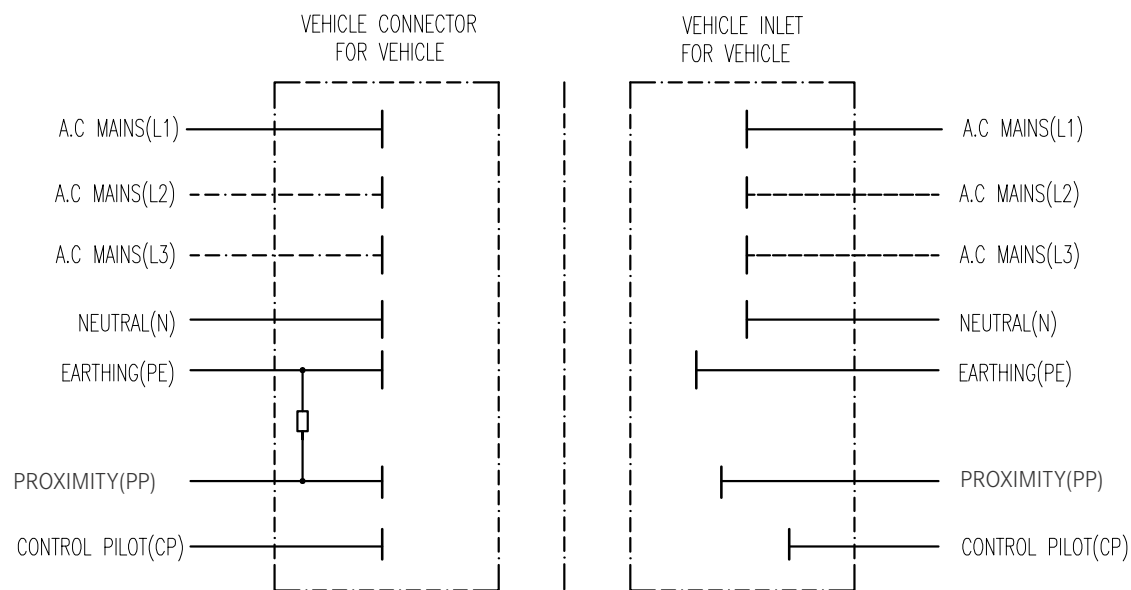
CONFIGURATION

A.C. Type 2		Functions
1-Phase	3-Phase	
250V (16A), 20A, 32A	480V 16A, 20A, 32A	L1 (Mains 1)
-	480V 16A, 20A, 32A	L2 (Mains 2)
-	480V 16A, 20A, 32A	L3 (Mains 3)
250V (16A), 20A, 32A	480V 16A, 20A, 32A	N (Neutral)
Rated for fault		PE (Protective Ground/Earth)
30V 2A		CP (Control pilot)
30V 2A		PP (Proximity)

Circuit diagram for EVSE charging coupler



Circuit diagram for vehicle coupler



AC TYPE 2 COUPLER FOR EVSE SIDE

LXXXX: Cable length (unit in mm)

Socket-outlet



Type 2 / Mode 3	Part Number		
	16/20A	1-Phase	HVCOIFSR6SS502LXXXX
	16/20A	3-Phase	HVCOIFSR6SS702LXXXX
	32A	1-Phase	HVCOIFSR6SF506LXXXX
	32A	3-Phase	HVCOIFSR6SF706LXXXX

Compliant with IEC 62196-2 standard 2-II a.

Configuration:

250V | (16A), 20A or 32A | 1-phase

480V | (16A), 20A or 32A | 3-phase

Electronic lock and Solenoid lock both available

3 positions (120° rotatable):

4 o'clock, 8 o'clock, 12 o'clock

More features: Protection cap, water drainage design, rear mount

Plug



Type 2 / Mode 3	Part Number		
	16/20A	1-Phase	HVCOIMBSR6PS502LXXXX
	16/20A	3-Phase	HVCOIMBSR6PS702LXXXX
	32A	1-Phase	HVCOIMBSR6PF506LXXXX
	32A	3-Phase	HVCOIMBSR6PF706LXXXX

Compliant with IEC 62196-2 standard sheet 2-II b & EN17186.

Configuration:

250V | 16A/20A or 32A | 1-phase

480V | 16A/20A or 32A | 3-phase

AC TYPE 2 COUPLER FOR EV SIDE

Socket-inlet



Type 2 / Mode 3	Part Number		
	32A	3-Phase	HVCOIFR6SF706NTLXXXX
	32A	1-Phase	HVCOIFR6SF506NTLXXXX
	16/20A	3-Phase	HVCOIFR6SS702NTLXXXX
	16/20A	1-Phase	HVCOIFR6SS502NTLXXXX

Compliant with IEC 62196-2 standard sheet 2-II b.

Configuration:

250V | 32A | 1-phase

480V | 32A | 3-phase

250V | 16A/20A | 1-phase

480V | 16A/20A | 3-phase

Vehicle connector



Type 2 / Mode 3	Part Number (without cable)		
	16/20A	1-Phase	HVCOIMBR6PS502LXXXX
	16/20A	3-Phase	HVCOIMBR6PS702LXXXX
	32A	1-Phase	HVCOIMBR6PF506LXXXX
	32A	3-Phase	HVCOIMBR6PF706LXXXX

Compliant with IEC 62196-2 standard sheet 2-II e & EN17186.

Configuration:

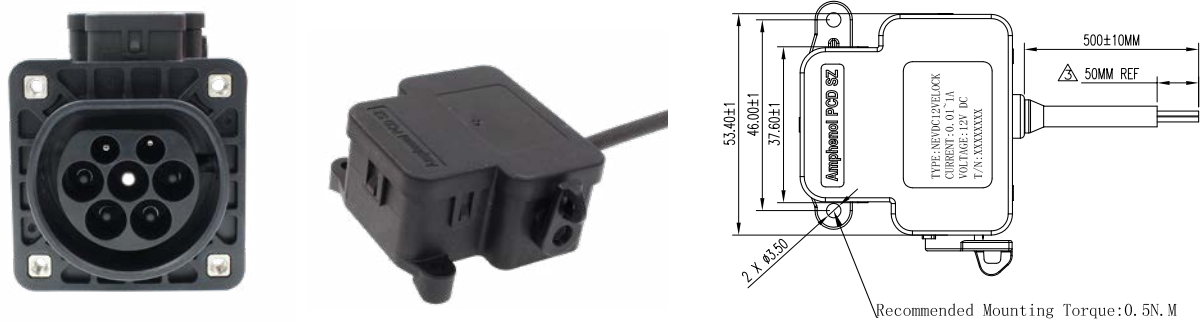
250V | 16A/20A or 32A | 1-phase

480V | 16A/20A or 32A | 3-phase

LOCKING ACTUATOR

Electronic lock | AMPHENOL PCD SHENZHEN (12V)

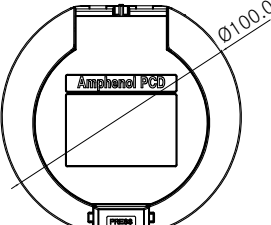
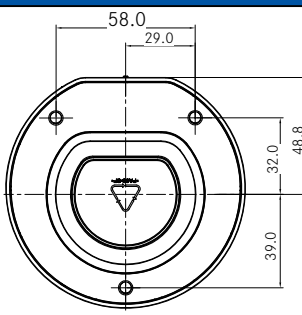
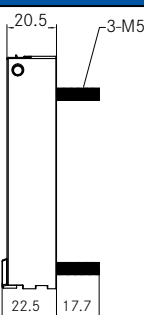
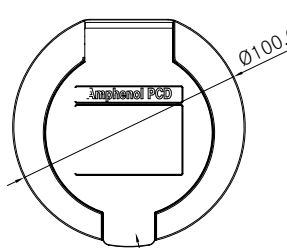
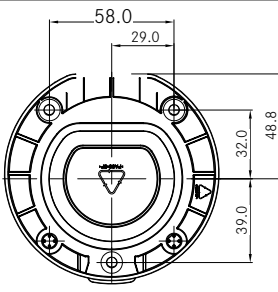
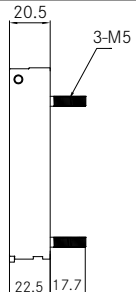
4 wire solution is available.



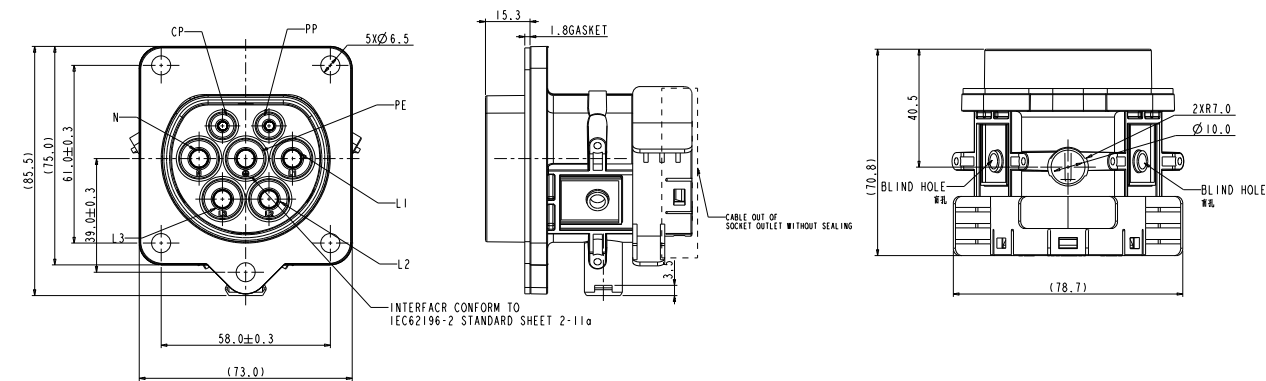
P/N (12V): NEVDC12VELOCK

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	+	-	SIGNAL($R_U=1k\Omega$)	
LOCKING	-	+	SIGNAL($R_L=11k\Omega$)	

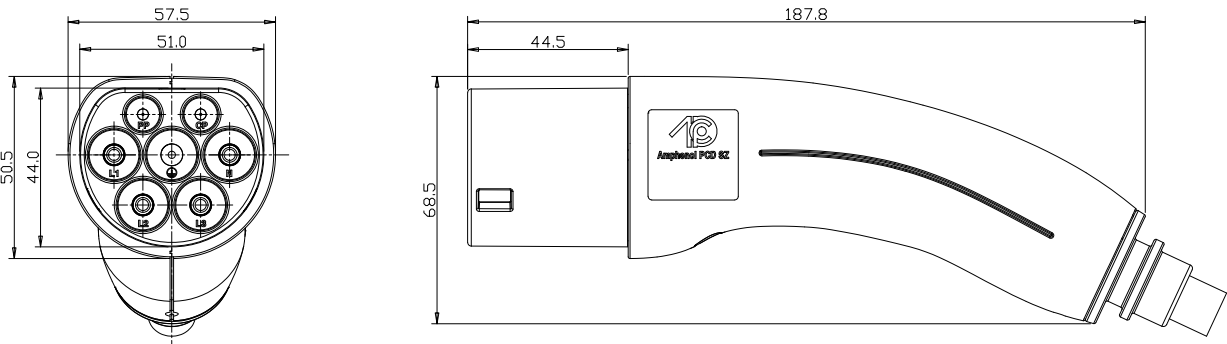
PROTECTION CAP WITH HINGED LID

P/N		DRAWING		
HVCOILIDA	 Push			
HVCOILIDC	 Pull	 Self-closing type		

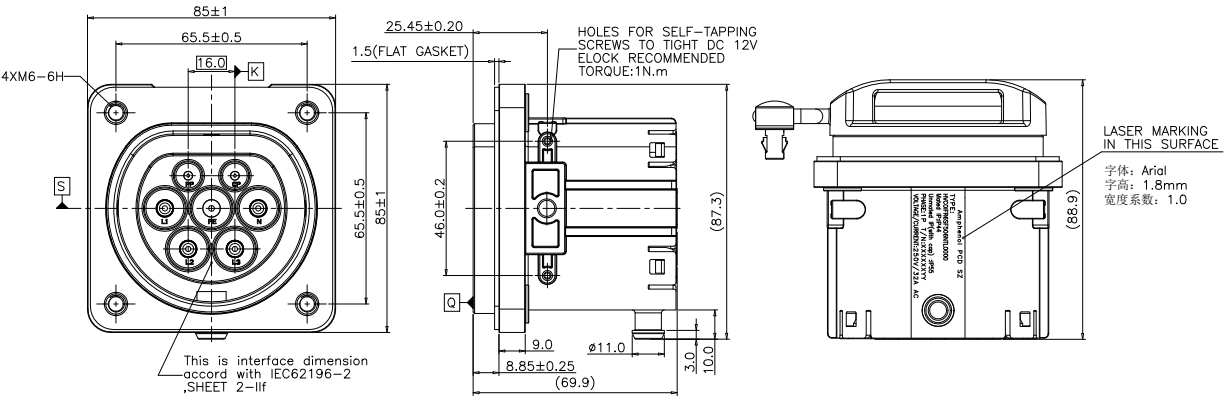
SOCKET-OUTLET DIMENSIONS (EVSE)



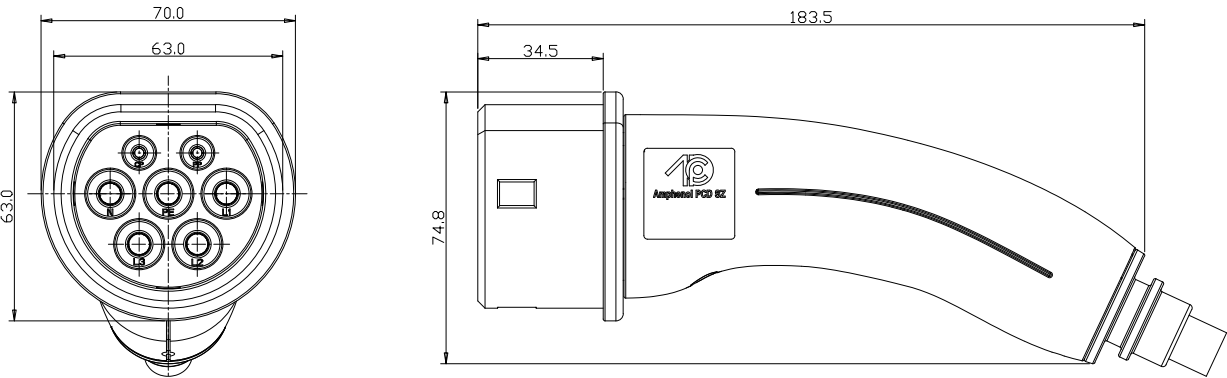
PLUG DIMENSIONS (EVSE)



SOCKET-INLET DIMENSIONS



VEHICLE CONNECTOR DIMENSIONS

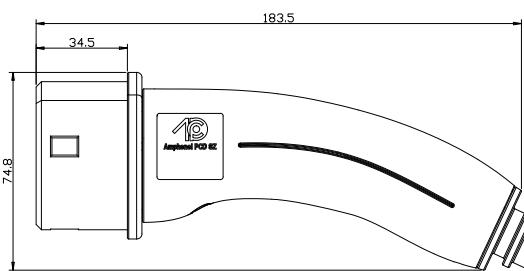
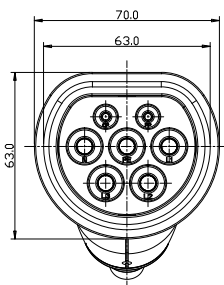
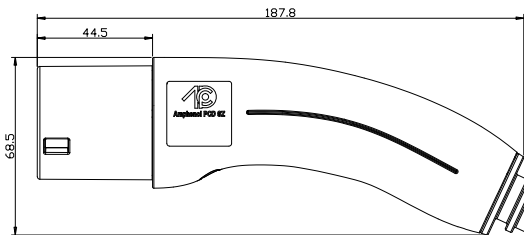
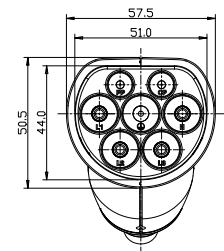


PLUG (EVSE) + VEHICLE CONNECTOR (EV) DIMENSIONS - MODE 3



Part Number		
16/20A	1-Phase	HVCOIMBSCR6PS502LXXXX
16/20A	3-Phase	HVCOIMBSCR6PS702LXXXX
32A	1-Phase	HVCOIMBSCR6PF506LXXXX
32A	3-Phase	HVCOIMBSCR6PF706LXXXX

LXXXX: Cable lenght (unit in mm)



VEHICLE CONNECTOR'S CAP (OPTIONAL)



Part Number: P01BP00382

VEHICLE CONNECTOR (WITH CAC ADAPTER) DIMENSIONS

Part Number:
HVCOIMBSR6PF706CAC

