



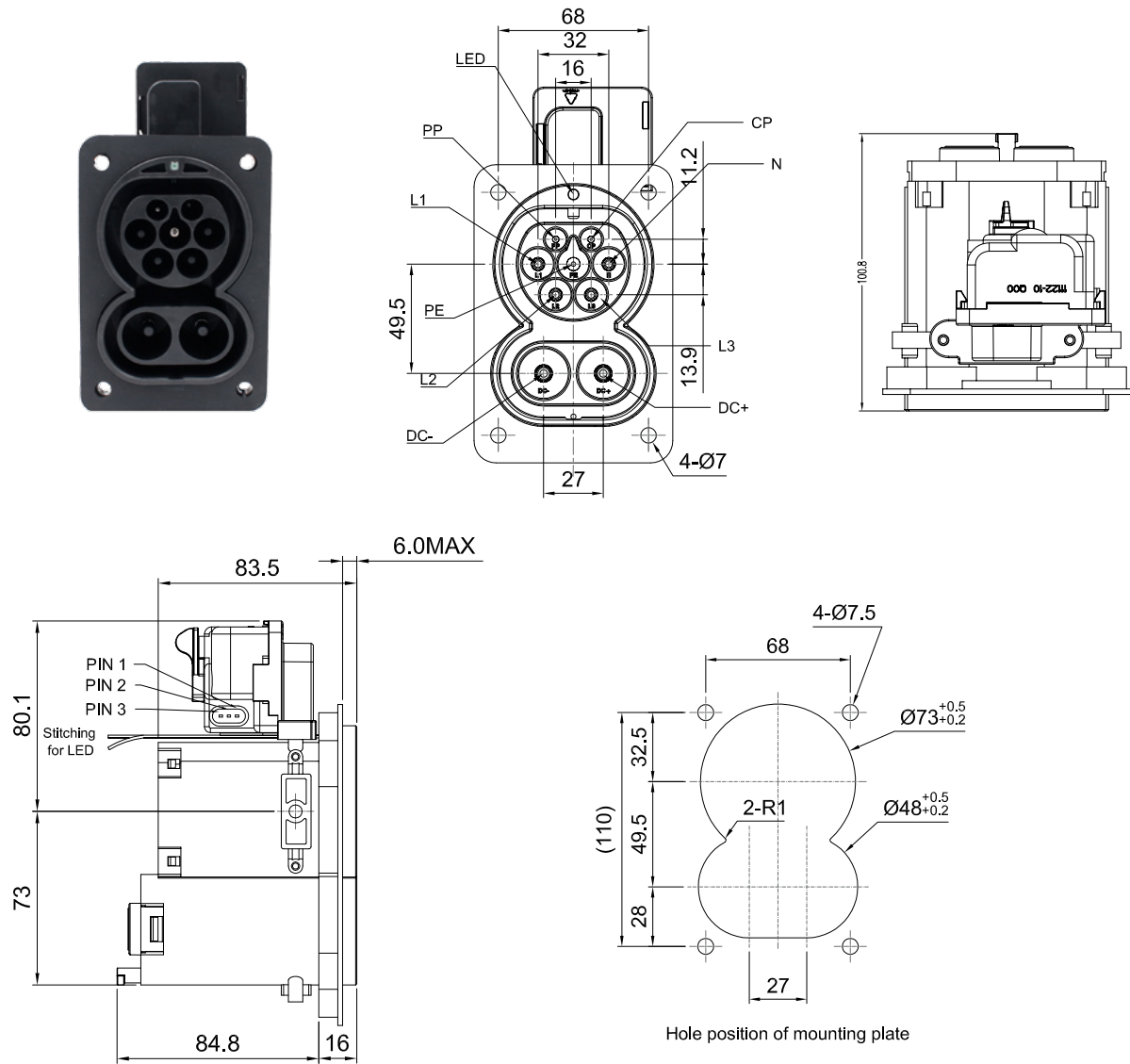
KEY FEATURES:

Compliant with:
IEC 62196-2
IEC 62196-3

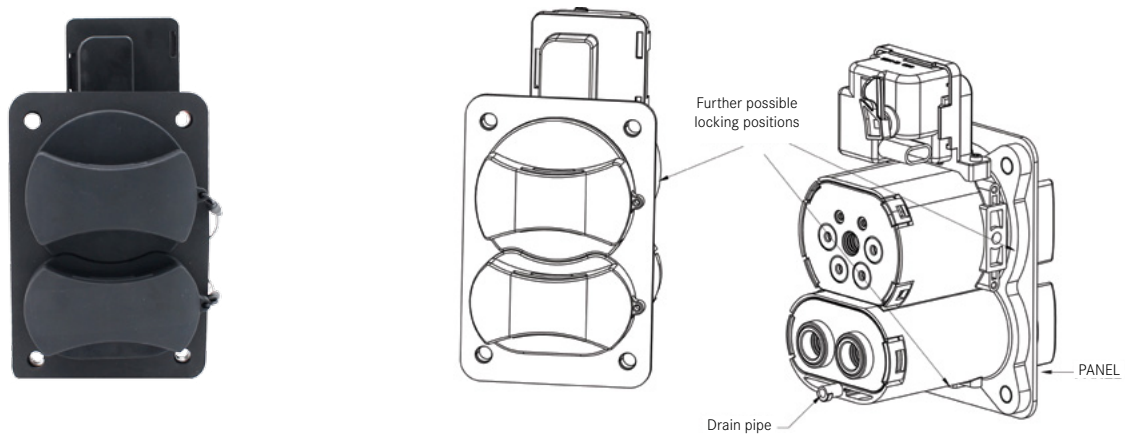
MECHANICAL	
Mating cycles	> 10,000 cycles (unloaded)
Insertion / withdrawal force	< 100N
ELECTRICAL	
Rated current	See page 20 and 22
Rated voltage	See page 20 and 22
Contact resistance	0.5MΩ Max (AC) 0.35MΩ Max (DC)
Insulation resistance	> 100MΩ
Temperature sensor (Optional)	The two power contacts DC+ and DC- are monitored by temperature-dependent resistor sensors
ENVIRONMENTAL	
Protection degree	IP44 (mated)
Ambient temperature	-30°C to 50°C
MATERIAL	
Shell	Nylon
Contact	Copper alloy, silver or nickel plating
Inserts	Thermoplastic
Sealing gasket	Rubber or silicon rubber
Insulator inflammability	UL94V0

IEC COMBO VEHICLE INLET DIMENSIONS

Rear mount without protection cap

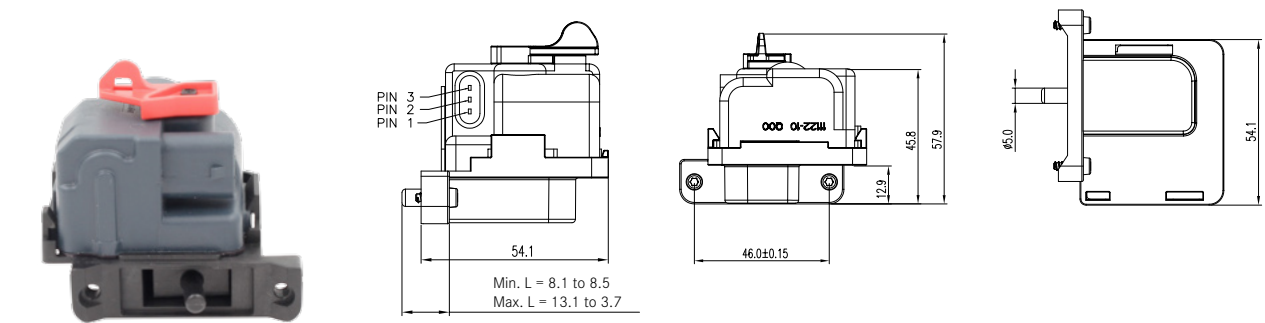


Rear mount with protection cap



LOCKING ACTUATOR

Electronic lock | HELLA (12V)



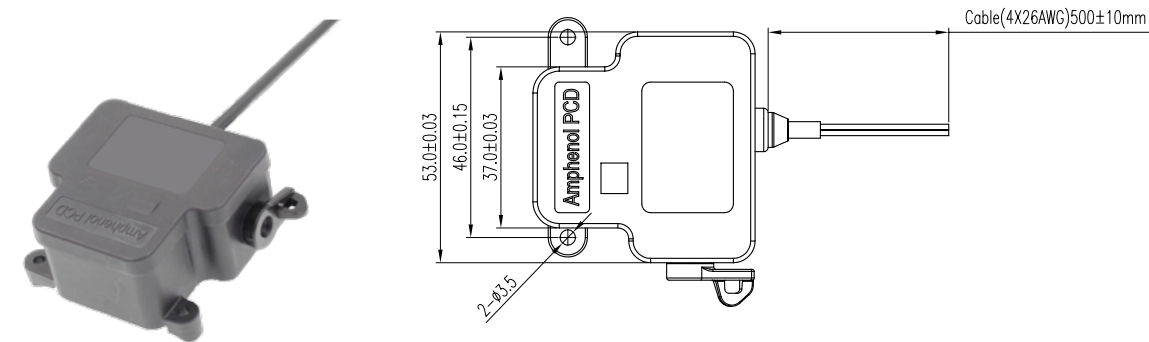
P/N: HVCOCBELOCKH

E-LOCK	PIN 3	PIN 1	PIN 2 SIGNAL
UNLOCKING	+12V DC	-	
LOCKING	-	+12V DC	SIGNAL



Electronic lock | AMPHENOL PCD SHENZHEN (12V, 24V)

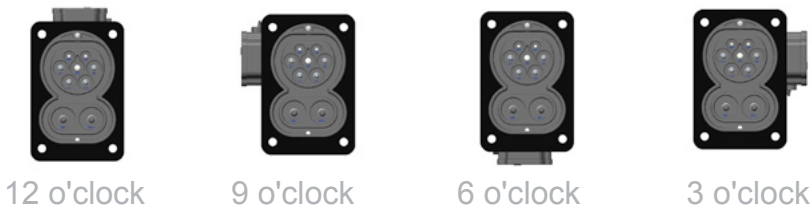
4 wire solution is available for both 12V and 24V.



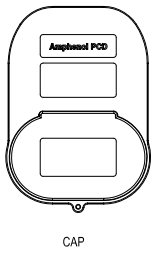
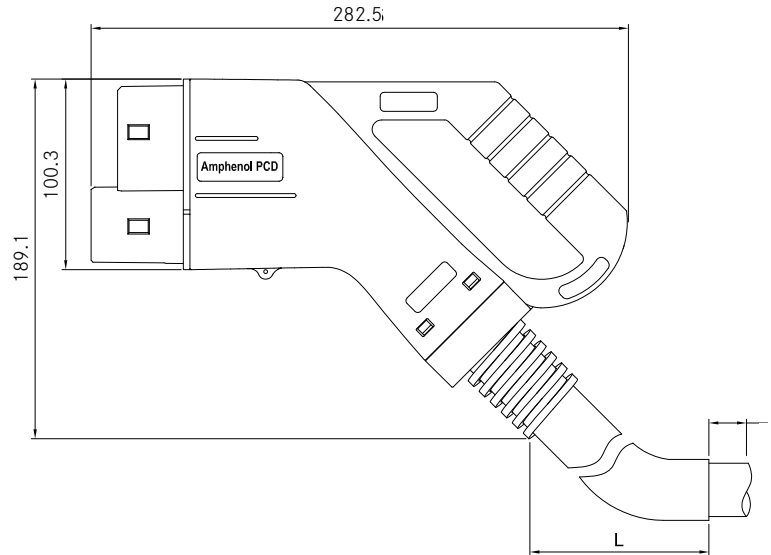
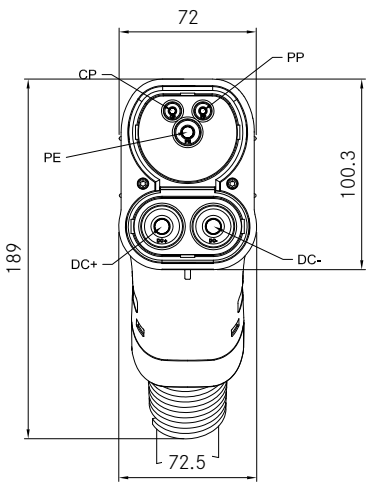
TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	+	-	/	
LOCKING	-	+	SIGNAL	

P/N (12V): HVCODC12VELOCK

P/N (24V): HVCODC24VELOCK

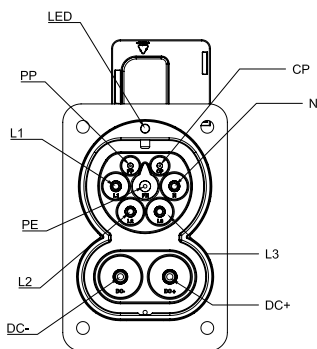


IEC COMBO VEHICLE CONNECTOR DIMENSIONS

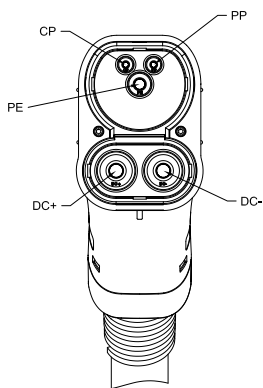


70±10(Stripping distance)

IEC COMBO ELECTRICAL SPECIFICATIONS

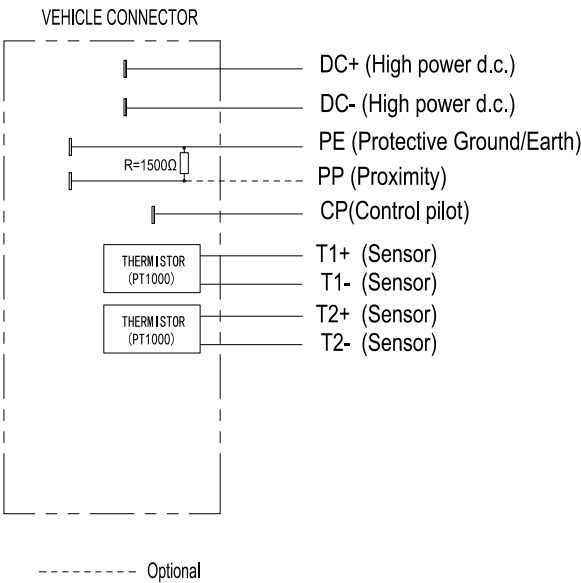
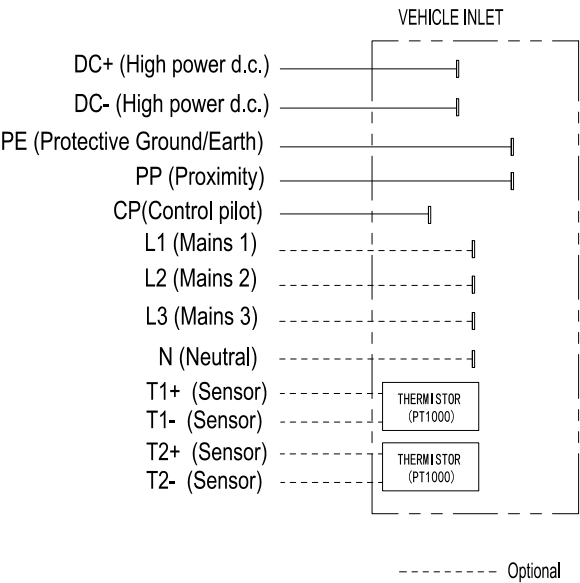


Combined interface		Functions
1-phase	3-phase	
250V 32A	480V 32A, 63A	L1 (Mains 1) - Optional
-	480V 32A, 63A	L2 (Mains 2) - Optional
-	480V 32A, 63A	L3 (Mains 3) - Optional
250V 32A	480V 32A, 63A	N (Neutral) - Optional
Rated for fault		PE (Protective Ground/Earth)
30V 2A		CP (Control pilot)
30V 2A		PP (Proximity)
1000V 60A, 125A, 200A		DC+ (High power d.c.)
1000V 60A, 125A, 200A		DC- (High power d.c.)



Combined interface	Functions
Rated for fault	PE (Protective Ground/Earth)
30V 2A	CP (Control pilot)
30V 2A	PP (Proximity)
1000V 60A, 125A, 200A	DC+ (High power d.c.)
1000V 60A, 125A, 200A	DC- (High power d.c.)

CIRCUIT DIAGRAMS



HOW TO ORDER | IEC COMBO 60A & 125A

IEC Combo 60A & 125A can be equipped with either NTC or PT1000 temperature sensor.

Temperature sensors: NTC or PT1000	
60A, 125A	200A
T: NTC	T: PT1000
PT: PT1000	-

HVCO	C	M	X	A	T	R8	SFXXX	LXXX	XXXX
C: IEC Combo									
Connector type: M: Vehicle connector F: Vehicle inlet									
Power cable size: X: AC + DC (refer to next page)									
Protection cap: A: Protection cap (only for receptacle)									
Temperature sensor: T: NTC temperature sensor PT: PT1000 temperature sensor Omit: No temperature sensor needed									
Contact size: R8: 8mm Radsok (for vehicle connector) or 8mm pin contact (for vehicle inlet)									
Type of connector and insert arrangements: PFXXX: 32A cable side (Vehicle connector Fast) SFXXX: 32A cable side (Vehicle inlet Fast)									
Cable length: LXXX: Cable length (Unit in mm) Omit: No cable needed									
Cable accessories: XXXX: Cable accessories or customer code									

Vehicle inlet

The temperature sensor is optional for the vehicle inlet.

T: NTC (optional)

Part Number (without cable)		
Only DC	DC 60A	HVCOCFATR8SF516L0000
	DC 125A	HVCOCFATR8SF550L0000
1-phase	AC 32A + DC 60A	HVCOCF6ATR8SF716L0000
	AC 32A + DC 125A	HVCOCF6ATR8SF750L0000
3-phase	AC 32A + DC 60A	HVCOCF6ATR8SF916L0000
	AC 32A + DC 125A	HVCOCF6ATR8SF950L0000
	AC 63A + DC 60A	HVCOCF10ATR8SF916L0000
	AC 63A + DC 125A	HVCOCF10ATR8SF950L0000

PT: PT1000 (optional)

Part Number (without cable)		
Only DC	DC 60A	HVCOCFAPTR8SF516L0000
	DC 125A	HVCOCFAPTR8SF550L0000
1-phase	AC 32A + DC 60A	HVCOCF6APTR8SF716L0000
	AC 32A + DC 125A	HVCOCF6APTR8SF750L0000
3-phase	AC 32A + DC 60A	HVCOCF6APTR8SF916L0000
	AC 32A + DC 125A	HVCOCF6APTR8SF950L0000
	AC 63A + DC 60A	HVCOCF10APTR8SF916L0000
	AC 63A + DC 125A	HVCOCF10APTR8SF950L0000

Vehicle connector

T: NTC

Part Number (without cable)		
-	DC 60A	HVCOCMTR8PF516L0000
	DC 125A	HVCOCMTR8PF550L0000

PT: PT1000

Part Number (without cable)		
-	DC 60A	HVCOCMPTR8PF516L0000
	DC 125A	HVCOCMPTR8PF550L0000

HOW TO ORDER | IEC COMBO 200A

IEC Combo 200A can only be equipped with PT1000 temperature sensor.
Consequently, in this case T stands for PT1000 temperature sensor.

Temperature sensors: NTC or PT1000	
60A, 125A	200A
T: NTC	T: PT1000
PT: PT1000	-

HVCO	C	M	X	A	T	R8	SFXXX	LXXXX	XXXX
C: IEC Combo									
Connector type:									
M: Vehicle connector									
F: Vehicle inlet									
Power cable size:									
X: AC + DC (refer to next page)									
Protection cap:									
A: Protection cap (only for receptacle)									
Temperature sensor:									
T: PT1000 temperature sensor									
Omit: No temperature sensor needed									
Contact size:									
R8: 8mm Radsok (for vehicle connector) or 8mm pin contact (for vehicle inlet)									
Type of connector and insert arrangements:									
PFXXX: 32A cable side (Vehicle connector Fast)									
SFXXX: 32A cable side (Vehicle inlet Fast)									
Cable length:									
LXXXX: Cable length (Unit in mm)									
Omit: No cable needed									
Cable accessories:									
XXXX: Cable accessories or customer code									

Vehicle inlet

The temperature sensor is **optional** for the vehicle inlet.

T: PT1000 (optional)

Part Number (without cable)		
Only DC	DC 200A	HVCOCFATR8SF570L0000
1-phase	AC 32A + DC 200A	HVCOCF6ATR8SF770L0000
3-phase	AC 32A + DC 200A	HVCOCF6ATR8SF970L0000
	AC 63A + DC 200A	HVCOCF10ATR8SF970L0000

Vehicle connector

T: PT1000

Part Number (without cable)		
-	DC 200A	HVCOCMTR8PF570L0000