



KEY FEATURES:

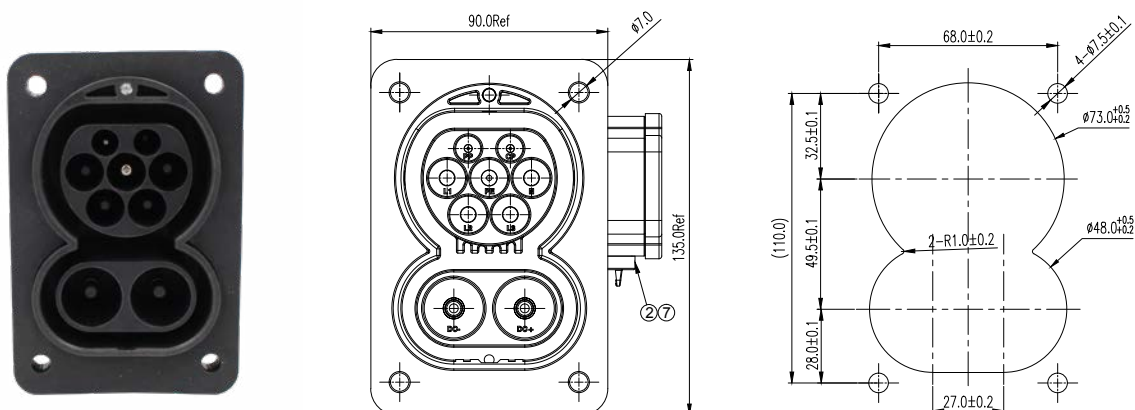
Compliant with:
IEC 62196-2
IEC 62196-3

Vehicle connector:
EN17186, CE

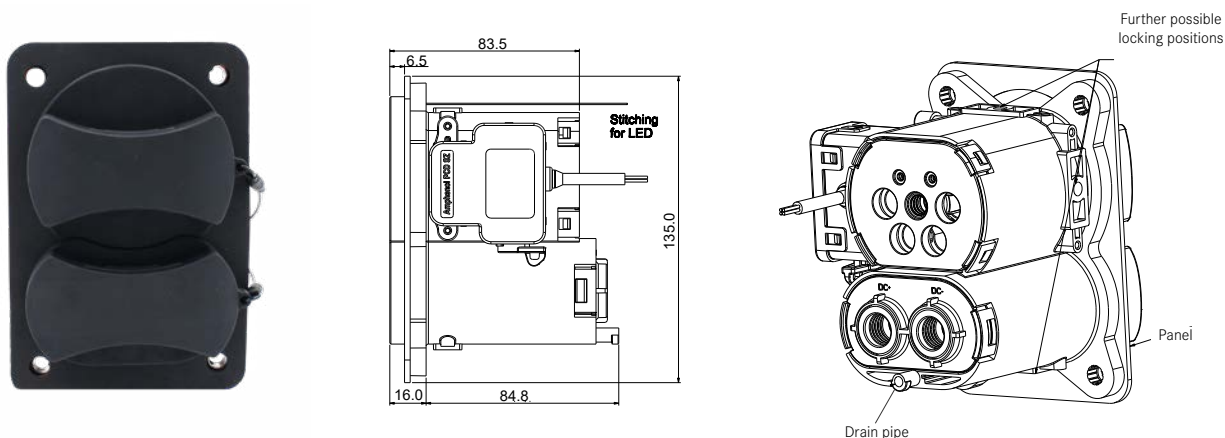
MECHANICAL	
Mating cycles	> 10,000 cycles (unloaded)
Insertion / withdrawal force	< 100N
ELECTRICAL	
Rated current	See page 15 and 17
Rated voltage	See page 15 and 17
Temperature sensor (Optional)	The two power contacts DC+ and DC- are monitored by temperature-dependent resistor sensors
ENVIRONMENTAL	
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

IEC COMBO VEHICLE INLET DIMENSIONS (VERSION A)

Rear mount without protection cap



Rear mount with protection cap



IEC COMBO ELECTRICAL SPECIFICATIONS

Combined interface		Functions
1-phase	3-phase	
250V 32A	480V 32A	L1 (Mains 1) - Optional
-	480V 32A	L2 (Mains 2) - Optional
-	480V 32A	L3 (Mains 3) - Optional
250V 32A	480V 32A	N (Neutral) - Optional
Rated for fault		PE (Protective Ground/Earth)
30V 2A		CP (Control pilot)
30V 2A		PP (Proximity)
1000V 65A, 125A, 200A, 500A		DC+ (High power d.c.)
1000V 65A, 125A, 200A, 500A		DC- (High power d.c.)

IEC COMBO VEHICLE INLET WITH LED DIMENSIONS (VERSION B - PCBA)

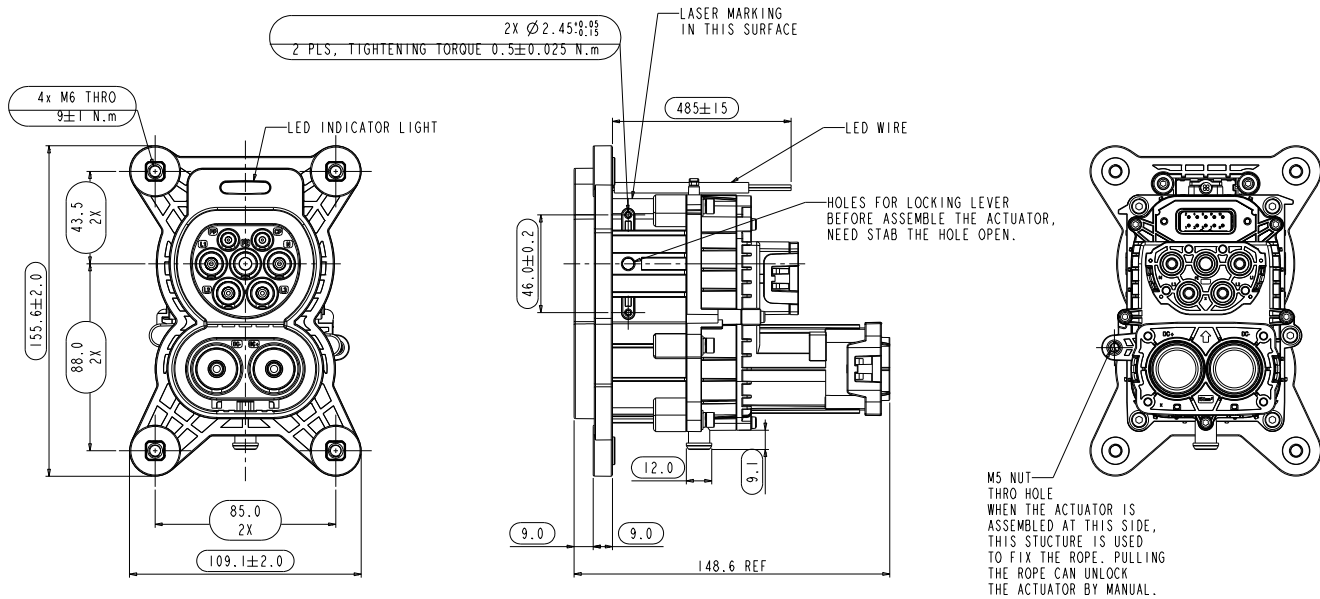
Rear mount without protection cap



Rear mount with protection cap



Part Number:
P02B000051



Signal connector with cable assembly



P/N	Positions
P08B002345	5 POS
P08B002344	8 POS
P08B002343	9 POS

VERSION A

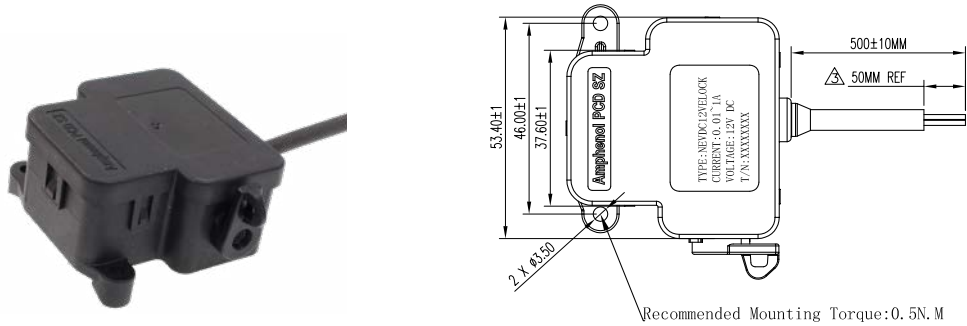
P/N	Rated current (AC)	Rated current (DC)	Phase	AC cable size	DC cable size	Temperature sensor (DC) Recommended
HVCOCF6ATR8SF916	32A	65A	3	6mm ²	16mm ²	NTC
HVCOCF6ATR8SF950	32A	125A	3	6mm ²	50mm ²	NTC
HVCOCF6ATR8SF970	32A	200A	3	6mm ²	70mm ²	PT1000
HVCOCF6ATR8SF716	32A	65A	1	6mm ²	16mm ²	NTC
HVCOCF6ATR8SF750	32A	125A	1	6mm ²	50mm ²	NTC
HVCOCF6ATR8SF970	32A	200A	3	6mm ²	70mm ²	PT1000
HVCOCF16BPTR8SF795	63A	300A	1	16mm ²	95mm ²	PT1000
HVCOCF16ATR8SF970	63A	200A	3	16mm ²	70mm ²	PT1000
HVCOCF16BPTR8SF995	63A	300A	3	16mm ²	95mm ²	PT1000
HVCOCFATR8SF516	-	65A	-	-	16mm ²	NTC
HVCOCFATR8SF550	-	125A	-	-	50mm ²	NTC
HVCOCFATR8SF570	-	200A	-	-	70mm ²	PT1000

VERSION B - PCBA

P/N	Rated current (AC)	Rated current (DC)	Phase	AC cable size	DC cable size	Temperature sensor (DC) Recommended
HVCOCF0210DN	32A	500A	3	6mm ²	150mm ²	PT1000
HVCOCF0212DN	63A	500A	3	16mm ²	150mm ²	PT1000
HVCOCF0213DN	32A	400A	3	6mm ²	120mm ²	PT1000
HVCOCF0215DN	63A	400A	3	16mm ²	120mm ²	PT1000
HVCOCF0216DN	32A	300A	3	6mm ²	95mm ²	PT1000
HVCOCF0218DN	63A	300A	3	16mm ²	95mm ²	PT1000
HVCOCF0219DN	32A	200A	3	6mm ²	70mm ²	PT1000
HVCOCF0221DN	63A	200A	3	16mm ²	70mm ²	PT1000
HVCOCF0222DN	32A	500A	1	6mm ²	150mm ²	PT1000
HVCOCF0224DN	63A	500A	1	16mm ²	150mm ²	PT1000
HVCOCF0225DN	32A	400A	1	6mm ²	120mm ²	PT1000
HVCOCF0227DN	63A	400A	1	16mm ²	120mm ²	PT1000
HVCOCF0228DN	32A	300A	1	6mm ²	95mm ²	PT1000
HVCOCF0230DN	63A	300A	1	16mm ²	95mm ²	PT1000
HVCOCF0231DN	32A	200A	1	6mm ²	70mm ²	PT1000
HVCOCF0233DN	63A	200A	1	16mm ²	70mm ²	PT1000
HVCOCF0234DN	-	500A	-	-	150mm ²	PT1000
HVCOCF0235DN	-	400A	-	-	120mm ²	PT1000
HVCOCF0236DN	-	300A	-	-	95mm ²	PT1000
HVCOCF0237DN	-	200A	-	-	70mm ²	PT1000

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

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



P/N (12V): NEVDC12VELOCK

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

P/N (24V): NEVDC24VELOCK

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	+	-	SIGNAL($R_U=+\infty\Omega$)	
LOCKING	-	+	SIGNAL($R_L=0\Omega$)	



9 o'clock



3 o'clock

IEC COMBO VEHICLE CONNECTOR



P/N	Rated current (DC)	DC cable size	Temperature sensor	
HVCOCMTR8PF516	65A	16mm ²	PT1000	Version A: Potted version
HVCOCMTR8PF550	125A	50mm ²	PT1000	
HVCOCMTR8PF570	200A	70mm ²	PT1000	
HVCOCMBTR8PF550W	200A	50mm ²	PT1000	Version B: Version with removable contacts
HVCOCMBTR8PF570W	250A	70mm ²	PT1000	
HVCOCMBTR8PF595	300A	2 x 50mm ²	PT1000	

IEC COMBO VEHICLE CONNECTOR - 40A, 80A



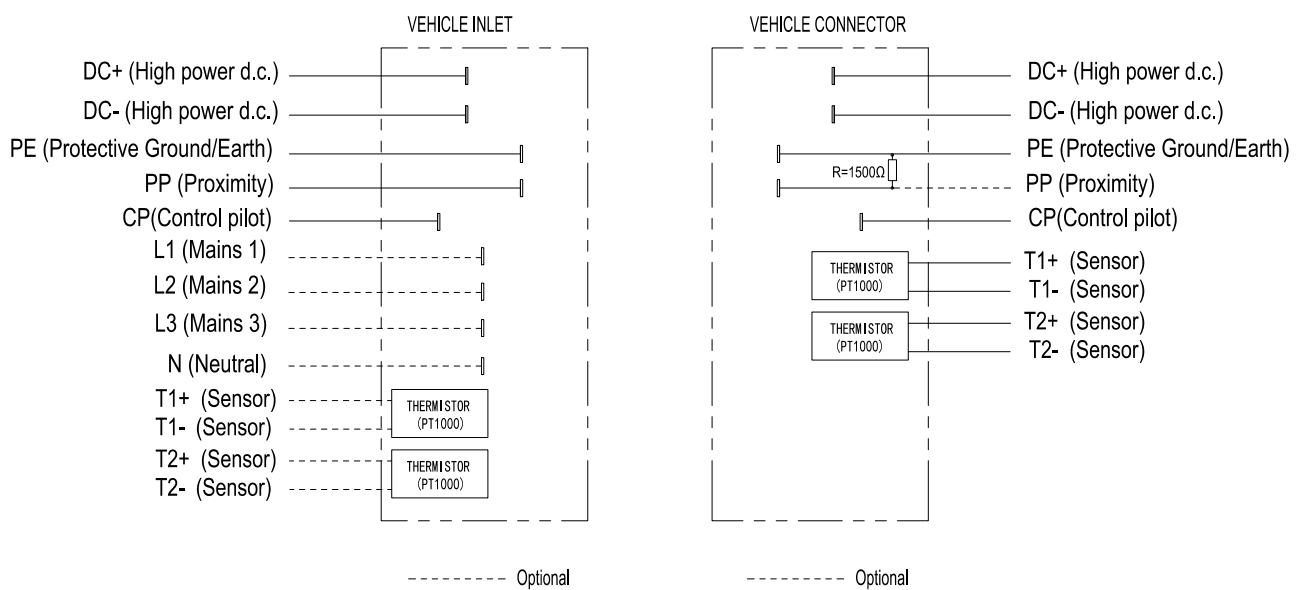
Mating cycles:	> 10,000 cycles (unloaded)
Insertion / withdrawal force:	< 100N
Rated current:	80A@16mm ² 40A@6mm ²
Rated voltage:	1000V (DC)
Standards:	IEC62196.1, IEC62196.3
Temperature sensor:	PT1000
Waterproof:	IP55 (mated)
Ambient temperature:	-30 to 50°C
ROHS:	Yes

P/N	Rated current
HVCOCMCTR8PF506LXXXX	40A
HVCOCMCTR8PF516LXXXX	80A

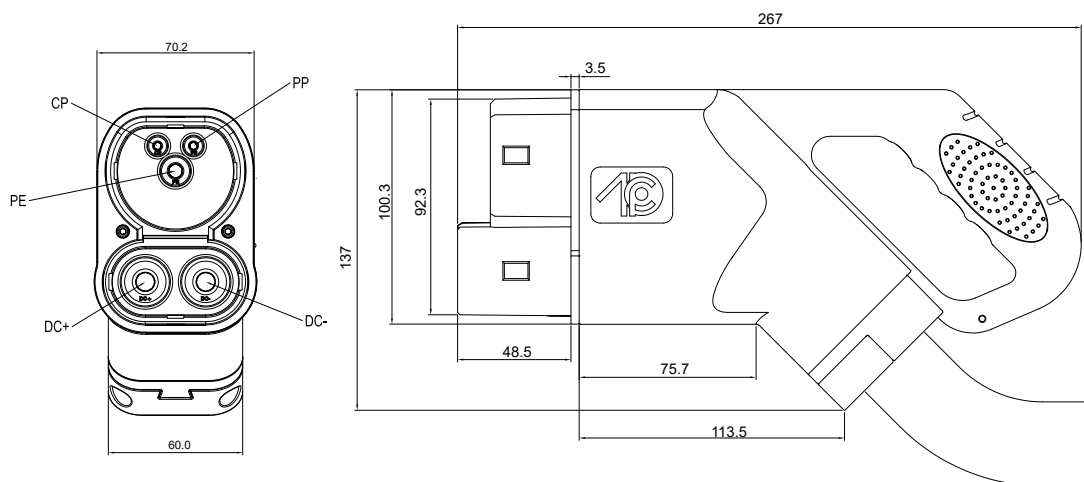
IEC COMBO ELECTRICAL SPECIFICATIONS

Combined interface	Functions
Rated for fault	PE (Protective Ground/Earth)
30V 2A	CP (Control pilot)
30V 2A	PP (Proximity)
1000V 65A, 125A, 200A, 250A, 300A	DC+ (High power d.c.)
1000V 65A, 125A, 200A, 250A, 300A	DC- (High power d.c.)

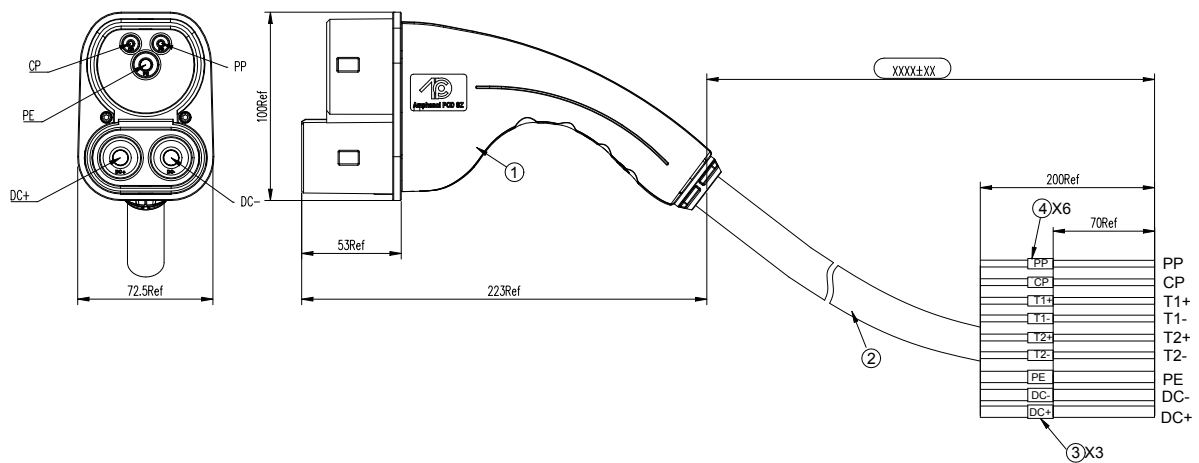
CIRCUIT DIAGRAMS



IEC COMBO VEHICLE CONNECTOR DIMENSIONS



IEC COMBO VEHICLE CONNECTOR - 40A, 80A



HOLDER FOR PLUG

P/N: C-C220027208

(Connectors do not include, please order seperately)

