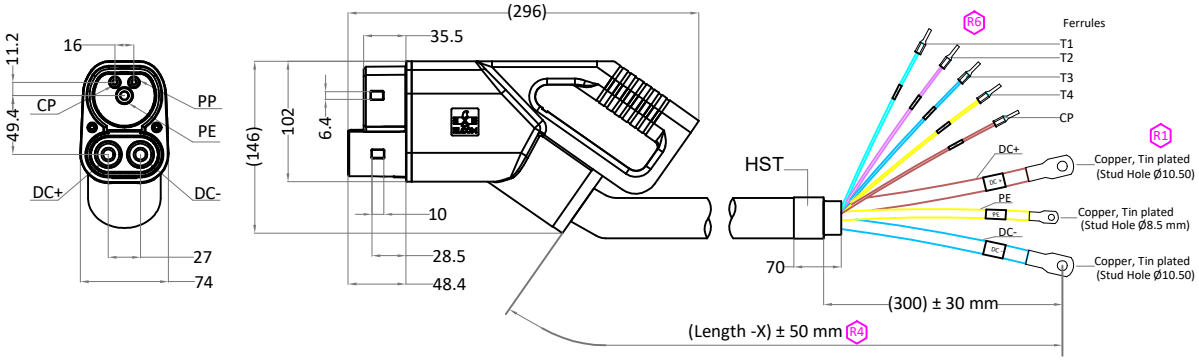
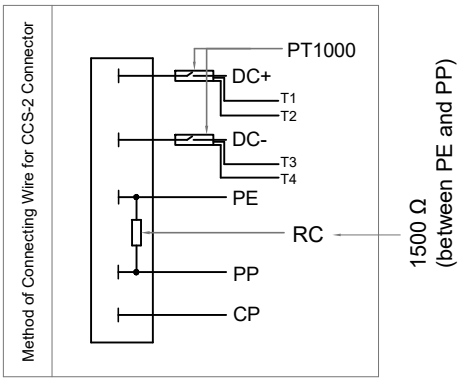
For General Customers

Vehicle Charging Connector for DC Current	PRODUCT DATA SHEET	REFERENCE

BASIC DIMENSIONS:-



Method of Connecting Wire for CCS-2 Connector :-



Cable Details :-

Cable Details

NO	Connection	150A 1000V DC	200A 1000V DC	250A 1000V DC (R1)
1	DC+	50mm²	70mm²	70mm²
2	PE	25mm²	25mm²	35mm²
3	DC-	50mm²	70mm²	70mm²
4	PP	0.75mm²	0.75mm²	0.75mm²
5	CP	0.75mm²	0.75mm²	0.75mm²
6	T1	0.75mm²	0.75mm²	0.75mm²
7	T2	0.75mm²	0.75mm²	0.75mm²
8	T3	0.75mm²	0.75mm²	0.75mm²
9	T4	0.75mm²	0.75mm²	0.75mm²

Sensor Wires

REV	IS	WAS	DATE	SIGN	APP.
R7	Added Dust Cap in Ordering Table		10-09-24	Sagar	PBM
R6	Added Ferrule for Communication wires		03-08-24	Sagar	PBM
R5	Added Lugs Table in ordering code		16-07-24	Sagar	PBM
R4	Change the Dim. Checking point of cable		10-05-24	Sagar	PBM
R3	2A, 30V DC	2A, 30V AC	04-05-24	Sagar	PBM
R2	Added Cable Mfg Table in Ordering Table		09-03-24	Sagar	PBM
R1	Added 35 Sq.mm Wire for 250A Rating		25-11-23	Sagar	PBM

PRODUCT :-	CCS-2 Connector	
APP	15.09.23	PBM
CHK	15.09.23	Sagar
DRN	15.09.23	YP
BY	DATE	SIGN

CODE : EEVC-CCS-2 Connector Series

Plot E-4, Kagal Five Star MIDC, Kagal, Kolhapur, MH - 416236, India
Elcom International Pvt. Ltd.
www.elcom-in.com

UNSP.TOLERANCE				DIMNS. IN mm	WT(Gm) Max.	SCALE:- NTS.	PROJECTION	SHEET
OVER	-	1	10	Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.				1 OF 2
UP TO	1	10	-					
±	0.2	0.3	0.5					

DRAWING NUMBER: E V C S 2 C O N — REVISION R10

F:ENG-08.00

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Note: Technical specifications are subject to change without prior notice

SPECIFICATION TABLE R10

SR.NO	PARAMETER		SPECIFICATION
1	Type		Vehicle Connector (IVc)
2	Mode		4
3	V/A Rating		150A/200A/250A 1000V DC
4	V/A Rating for Signal Contacts		2A, 30V DC R3
5	Insulation Resistance at 1000 VDC		>1000 MΩ
6	Contact Resistance		0.5mΩ Max
7	H.V.Break Down Test (For 1-Minute)		3KV
8	Mechanical Life		>10000 Cycles
9	Insertion Force		<100 N
10	Withdrawal Force		<100 N
11	Permissible Temp. With/Without Load		-30°C TO 50°C
12	Altitude R10		4000 m (above sea level)
13	Material	(a) Cable	Thermo Plastic
		(b) Outer sheath	EVM-1/ EVM-2/EVM-3
		(c) Cable Sheath Color	Black Color
		(b) Conductors	Bare copper, class 5
14	Cable Core	(i) Live , Neutral,CP	As per table of Cable details
		(ii) Earth,PP, sensors	
15	Temperature Sensor		PT1000 x 2nos.
16	Protection Degree		Mating - IP- 44 & Unmating IP-55 (With Protection Cap)
17	Shell Material		Thermoplastic
18	Reference Standard		IEC 62196-1, IEC 62196-3, IEC 62893 IS 17017-1, IS 17017-3

Ordering Code :-

Elcom Electric Vehicle Charging	Connector Type	Sub Type	Current Rating	Voltage	Cable/Wire	Length (mtr) R8	Cable Mfg. R2	Lugs/Thimbles R5	Dust Cap R9
EEVC	CCS-2 -: C	Connector -: 1	150A -: P	1000V DC -: 3	Without Cable -: N	5.0	KEI - K	Without Lugs -: No suffix	Without Cap -: N
			200A -: M		With Cable -: W	5.1	Siechem - S	With Lugs -: T	With Cap -: No suffix-: D
			250A -: L			5.5	Apar - A		Without Cap With Dummy Socket -: D
						6.0	KEC - C		
						6.5	Onitl - O		
						7.0			
						7.5			
						8.0			
						10			

For Example-:

1)EEVC-C1M3W5.0K -: Elcom Electric Vehicle Charging CCS-2 Connector 200A, 1000V DC With 5.0 mtr KEI Cable

2)EEVC-C1M3W5.0KTD-: Elcom Electric Vehicle Charging CCS-2 Connector 200A 1000 V Dc With Cable 5.0 KEI Cable With Lugs Without CAP With Dummy Socket

Note -:

1)For Dummy Socket Detail Please Refer EEVCD-C2 Product Data Sheet

REV	IS	WAS	DATE	SIGN	APP.
R10	Update Specification Table		22-03-25	Sagar	PBM
R9	Added Dummy Socket		26-03-25	Sagar	PBM
R8	Updated Cable Length		18-09-24	Sagar	PBM

PRODUCT :- CCS-2 Connector

CODE : EEVC-CCS-2 Connector Series

APP	15.09.23	PBM
CHK	15.09.23	Sagar
DRN	15.09.23	YP
BY	DATE	SIGN

ELCOM
Plot E-4, Kagal Five Star MIDC, Kagal, Kolhapur, MH - 416236, India
Elcom International Pvt. Ltd.
www.elcom-in.com

UNSP.TOLERANCE				DIMNS. IN mm	WT(Gm) Max.	SCALE:- NTS.	PROJECTION	SHEET	DRAWING NUMBER
OVER	-	1	10	Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.				2 OF 2	E V C S 2 C O N
UP TO	1	10	-						REVISION R10
±	0.2	0.3	0.5						

F:ENG-08.00

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