

PRODUCT DATA SHEET

REFERENCE



Solar PV Connector

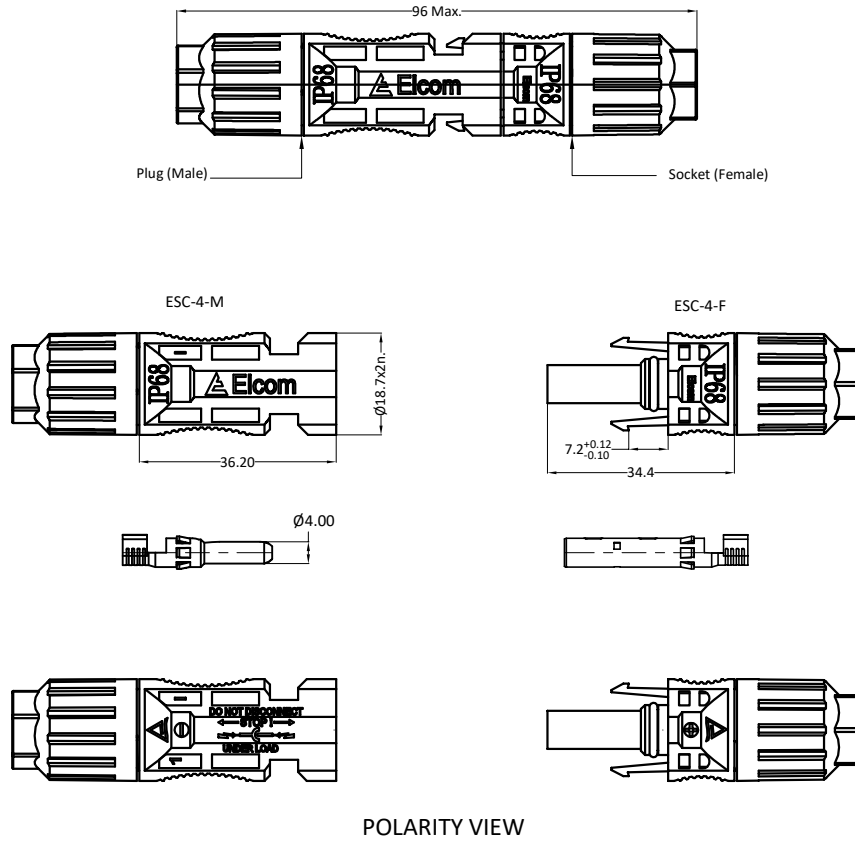
Pin Dimensions:- $\varnothing 4.0$ mm

Suitable cable cross sections:-
2.5 mm² (25A) ,4mm²(30A), 6mm² (30A).


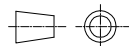
IP-68 Grade



Basic Dimensions :-



Note - Product images are only for reference, actual product may differ.

							PRODUCT :- SOLAR PV CONNECTOR			CODE : ESC-4-X (ESC-4-FE,ESC-4-ME)		
							APP	24.11.21	GJG	 Plot E-4, Kagal Five Star MIDC, Kagal, Kolhapur, MH - 416236, India Elcom International Pvt. Ltd. www.elcom-in.com		
							CHK	24.11.21	PPD			
							DRN	24.11.21	OSS			
REV	IS	WAS	DATE	SIGN	APP	BY	DATE	SIGN				
UNSP.TOLERANCE			DIMNS. IN	WT(Gm)	SCALE:-		PROJECTION	SHEET	DRAWING NUMBER			
OVER	-	1	10	mm		Max.	NTS.	 1 OF 2	P E S C 2 1 2 1			REVISION
UP TO	1	10	-	Moulding, plating details as per Bill of Material						R0		
±	0.2	0.3	0.5	Unspecified colour is Black, GF:Glass filled.								

F:ENG-08.00

Note: Technical specifications are subject to change without prior notice



For Disposal of Product /Packing please refer note available on www.elcom-in.com

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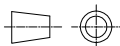
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SPECIFICATION TABLE:-

SR.NO	PARAMETER	SPECIFICATION
1	Type	Ø 4mm PV Connector
2	Rated current	4 & 6 sq.mm : 30A 2.5 sq.mm : 25A
3	Rated voltage	1500V DC
4	Test voltage	8000V AC(1min)
5	Typical contact Resistance	≤0.35mOhms
6	Degree of protection (Mated)	IP68(IEC 60529)
7	Protection class	II
8	Flammability class	UL 94, V-0
9	Insulation material	PP0
10	Contact material	Copper/Copper Alloy,Silver plated
11	Temperature range	-40°C To +85°C
12	Upper limiting temperature	105°C
13	Cable size	2.5mm ² / 4mm ² / 6mm ²
14	Rated Impulse Voltage	16KV
15	Application Class	A
16	Pollution Degree	3
17	Over voltage category	Category III
18	Relative Humidity (%)	85% ±5%
19	Pin dimensions	Ø4.0mm
20	Insertion force (male Female hsg.)	≤50N
21	Withdrawal force (male Female hsg.)	≥100N
22	Sealing Material	Silicon Rubber
23	Minimum Creepage Distance	Contact to contact not applicable
24	Reference Standard	IEC 62852:2014
25	Compliance Marking	
26	Approval	TUV 

ORDERING CODE:-

- 1.ESC-4-ME :- Solar Male PV Connector
- 2.ESC-4-FE :- Solar Female PV Connector

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OVER	-	1	10	mm	Max.	NTS.		2 OF 2	P	E	S	C	2	1	2	1	REVISION	
UP TO	1	10	-	Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.														R0
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