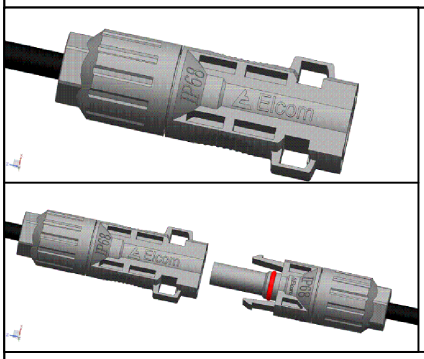
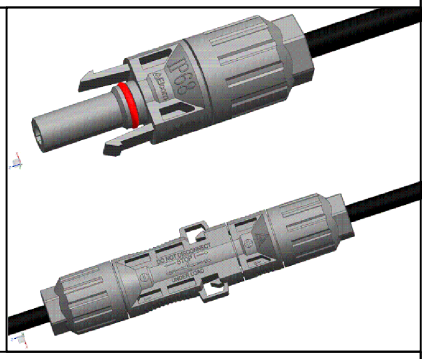
PRODUCT CODE:-	CATEGORY:-
ESC-4-UW-X	SOLAR PV CONNECTOR Ø4.0mm

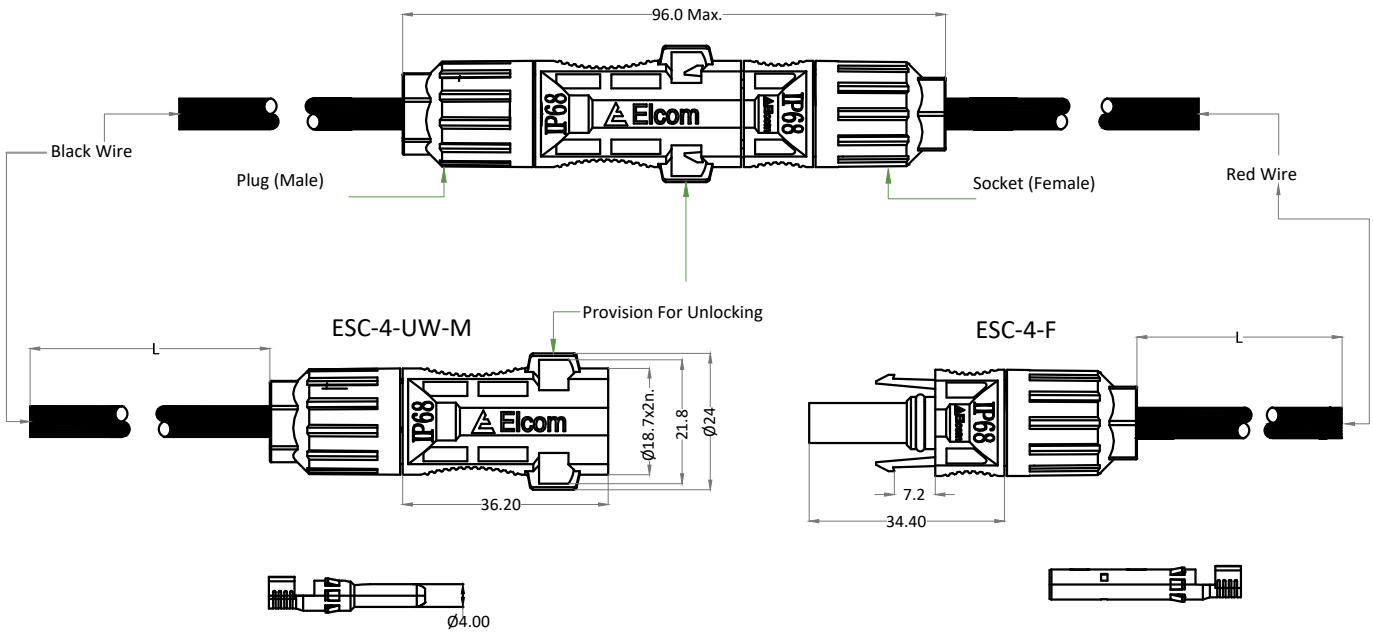




TUV Rheinland

Solar PV Connector
Pin dimensions:-Ø4.0mm
Suitable cable cross sections:-
2.5mm^2(25A),4mm^2(20A),
6mm^2(30A)
IP-68 Grade

BASIC DIMENSIONS:-



						APP	30.03.16	GJG	
						CHK			
						DRN	30.03.16	Sagar	
REV	IS	WAS	DATE	SIGN	APP.	BY	DATE	SIGN	

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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								
P	E	S	C	2	1	1	1	REVISION 0

F:ENG-08.00

Note: Technical specifications are subject to change without prior notice

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PRODUCT CODE:- ESC-4-UW-X	CATEGORY:- SOLAR PV CONNECTOR Ø4.0mm

SPECIFICATION TABLE:-

SR.NO	PARAMETER	SPECIFICATION
1	Type	Ø4mm PV Connector With Safety Window
2	Rated current	4 & 6sqmm : 30A 2.5sqmm : 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%
19	Pin dimensions	Ø4.0mm
20	Stripping Length	8 mm.
21	Insertion force (male Female hsg.)	≤50N
22	Withdrawal force (male Female hsg.)	≥100N
23	Sealing Material	Silicon Rubber
24	Minimum Creepage Distance	Contact to contact not applicable
25	Reference Standard	IEC 62852:2014
26	Approval	TUV

ORDERING CODE:-

Solar PV Connector		Wire Type		Wire Color		Wire Length(L)
ESC-4-UW-M		A	4 Sq.mm	03	Black	As per Customer Requirement
ESC-4-F		B	6 Sq.mm	04	Red	
		C	2.5 Sq.mm			

Example:-

1) Solar PV Connector without wire ESC-4-UW-M-or ESC-4-F

2) Solar PV Connector with wireESC-4-UW-M-A-03-1meter.

Description:-

UW-:Unlocking Window

Note:-

For 2.5sqmm wire crimping, Use Crimping tool of 4sqmm wire.

					APP	30.03.16	GJG	
					CHK			
					DRN	30.03.16	Sagar	
REV	IS	WAS	DATE	SIGN	APP.	BY	DATE	SIGN

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UNSP.TOLERANCE				DIMNS. IN mm	WT(Gm) Max.	SCALE:- NTS.	PROJECTION	SHEET	DRAWING NUMBER
OVER	-	1	10						
UP TO	1	10	-	Moulding, plating details as per Bill of Material				1 OF 2	P E S C 2 1 1 1
±	0.2	0.3	0.5	Unspecified colour is Black, GF:Glass filled.					REVISION 0

F:ENG-08.00

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