

GTP FOR PV SOLAR STRAIGHT CONNECTORS



Date		Designed By	Nishant/Kunal
Revision	00	Prepared By	Harsh
Revision Particulars	Issued For Approval	Approved By	Robin Virani



Client/Developer :			
EPC Contractor :			
Consultant Name :			
Project Name			
Title	GTP of 1500V DC PV Solar Straight Connectors Male and Female for 10 sq. mm. Solar DC cable		
PROJECT NO		REV.	SHEET
DOC.NO		00	1 of 4

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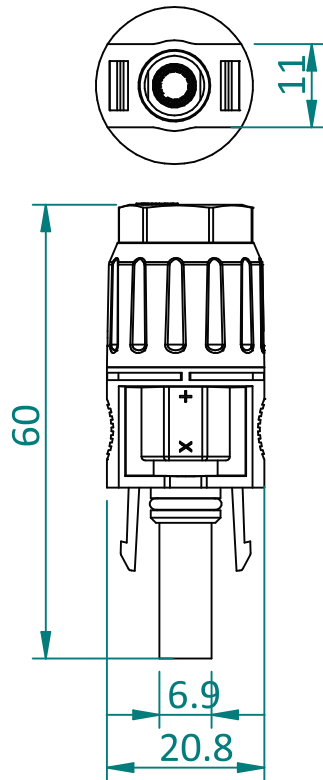
EMPV10N

Sr.NO	Technical Parameters for EMPV10N	
1	Factory Inspection	Name of Supplier- Elmex Electric Pvt. Ltd. Factory Address- 134-135, GIDC ESTATE, POR - RAMANGAMDI, VADODARA 391243, GUJARAT, INDIA.
2	Product Partcode	EMPV10N
3	Rated Voltage	1500V DC
4	Rated Current	70A
5	Rated Impulse Voltage	16kV
6	RMS withstand Voltage	8kV
7	Protection Class	Class II
8	Application Class	A
9	Flammability Class	UL94-V0
10	Insulating Material	NORYL 9406P PPE+PS
11	Pollution Degree	3
12	Degree of Protection	IP68 (Mated Condition)
13	Over voltage Category	III
14	Lower Ambient Temperature	-40°C
15	Upper ambient Temperature	+85°C
16	Upper Limit Temperature	+110°C
17	Termination and Connection	Crimped Connection
18	Suitable DC PV Cable Size	6 mm ² , 10 mm ²
19	Metal Contact Pin material	Copper with Tin Plating
20	Contact Resistance	<0.5mΩ
21	Stripping Lenght	10mm
22	Insertion Force	≤50N
23	Withdrawal Force	≥50N
24	Locking System	Snap In

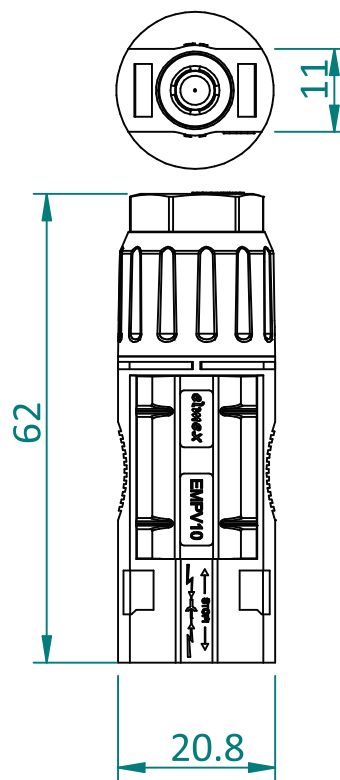
Sr.NO	Technical Parameters for EMPV10N	
25	Tool require for Opening	
26	Tool require for Crimping	

** Technical specifications may change in line with Technical Advances and industry standards.

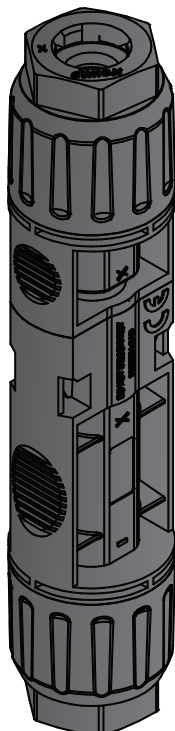
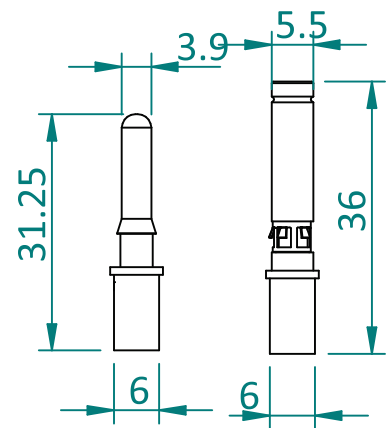
Female Connector





Male Connector



Contact Pins



REV. No.	REVISION DETAIL		ECR No.	MODIFY BY	DATE
IF ANY DOUBT PLEASE ASK		REMOVE ALL SHARP EDGES		ALL DIMENSIONS ARE IN "mm"	
		ELMEX CONTROLS Pvt. Ltd. 12, GIDC, MAKARPURA, VADODARA - 390010		MATERIAL	
DRAWN BY		KDM	DATE	12-10-2020	FINISH
CHKD. BY		SKP	DATE	12-10-2020	
APPROVED BY		SKP	DATE	12-10-2020	WEIGHT
		SCALE		DESCRIPTION Straight Connector Male and Female 10 Sq.mm.	
SHEET 1 OF 1		SHEET SIZE A4		DRG. NUMBER EMPV10N	
EC-F77-3/086 03rd Dec 2010 Ver1.00				REV 0	