

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



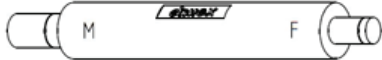
Client/Developer	:		
EPC Contractor	:		
Consultant Name	:		
Project Name			
Title	GTP of 1500V DC PV Solar Straight Connectors Male and Female		
PROJECT NO		REV.	SHEET
DOC.NO		00	1 of 4

Note:- All rights reserved. The documents contain proprietary information which is protected by copyright. No part of this documents may be reproduced, translated in computer language, or transmitted in any form whatsoever without the prior written consent to Elmex Electric Pvt Ltd, Vadodara



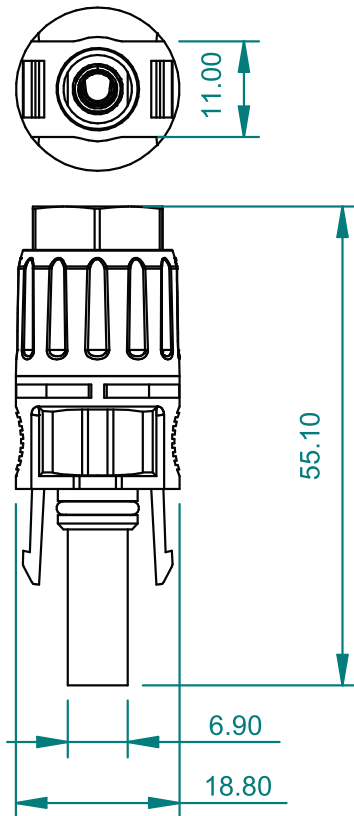
EMPV4N

Sr.NO	Technical Parameters for EMPV4N	
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	EMPV4N (Pair), EMPV4NM (Male Connector), EMPV4NF (Female Connector)
3	Rated Voltage	1500V DC
4	Rated Current (TUV)	25A (2.5 mm ²), 45A (4 mm ²), 54A (6 mm ²)
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	Operating Cycle	100
19	Number of Bending's	100
20	Suitable DC PV Cable Size	TUV (2.5 mm ² , 4 mm ² , 6 mm ²)
21	Metal Contact Pin material	Copper with Tin Plating
22	Contact Resistance	<0.25mΩ
23	Stripping Length	8mm-10mm
24	Insertion Force	≤50N
25	Withdrawal Force	≥50N
26	Salt mist Spray Test	IEC60068-2-52, Severity 6
27	Locking System	Snap In

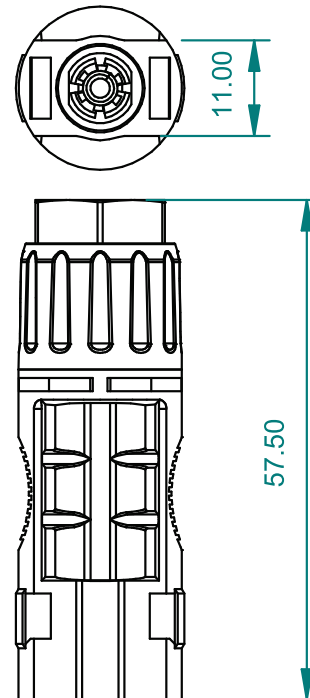
Sr.NO	Technical Parameters for EMPV4N	
28	Product Certification	As per IEC 62852-2014 TUV R60118765
29	Tool Required for Crimping	 <p>Part code:ESCCT</p>
30	Tool require for Opening and Tightening	 <p>Part code:EPVOS-S</p>
31	Tool require for crimping verifiaction	

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

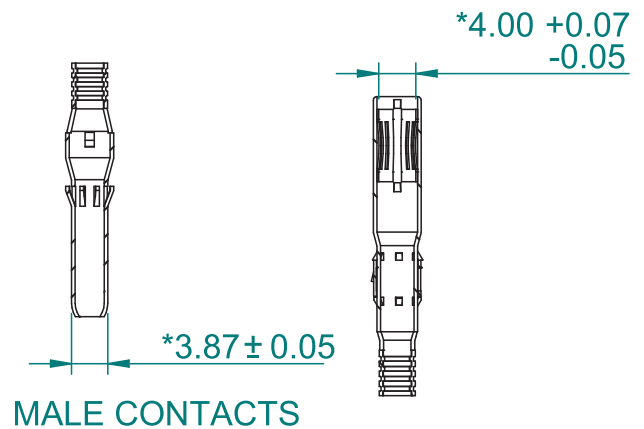
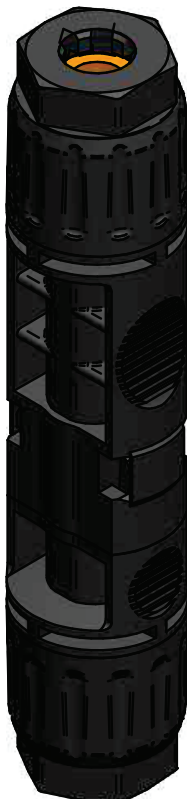
Female Connector





Male Connector



Contact Pins



MALE CONTACTS

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		NC		DATE		06-08-2017		MSI No.			
CHKD. BY		SIDDHU		DATE		06-08-2017		FINISH			
APPROVED BY		SKP		DATE		06-08-2017		WEIGHT			
FIRST ANGLE PROJECTION 		SCALE NTS		DESCRIPTION Solar Straight Connector							
SHEET 2 OF 2		SHEET SIZE A4		DRG. NUMBER EMPV4N						REV 0	
PC-2/7 30WF, 03rd Dec 2010, Ver1.00											

EC-F17.3.00RE_03rd Dec 2010_Ver1.00