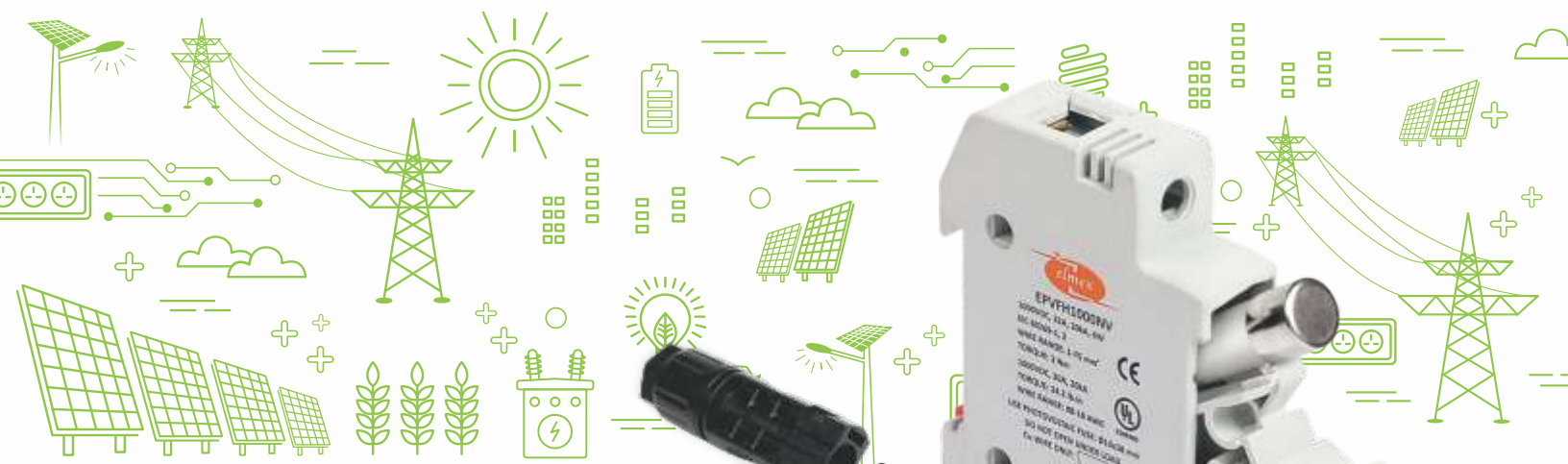




since 1963

Converging  
Innovations  Expanding  
Solutions



Solutions for  
Solar Photovoltaic



since 1963



'elmex' was established in 1963 and is a pioneer and leader in the field of Wire Termination Technology in India. 'elmex' is having manufacturing facilities in Vadodara, Gujarat, certified as per **ISO 9001:2015** and **ISO 14001:2015**. It has extended its domain knowledge in Termination Technology to develop product range suitable for Photovoltaic applications with indigenous design and development.



Solutions For  
Solar Photovoltaic



Solutions For  
Connectivity



Solutions For  
Metering & Protection



Solutions For  
Control & Instrumentation



Solutions For  
Railways



Solutions For  
Oil & Gas Industry

As an application *'elmex'* provides wide range of PV products such as PV Junction Boxes (2-Rail, 3-Rail and 4-Rail), Straight Connectors, Panel Connectors, Branch Connectors, Over Moulded Wire Harnesses, Inline Fuse Connectors, Branch Inline Fuse Connectors, DC Fuse Terminal Blocks (for Combiner Box / DC Distribution Box) which are used for Termination and to transfer DC energy from PV module to final output. Solar PV products are designed, manufactured and tested in-house.

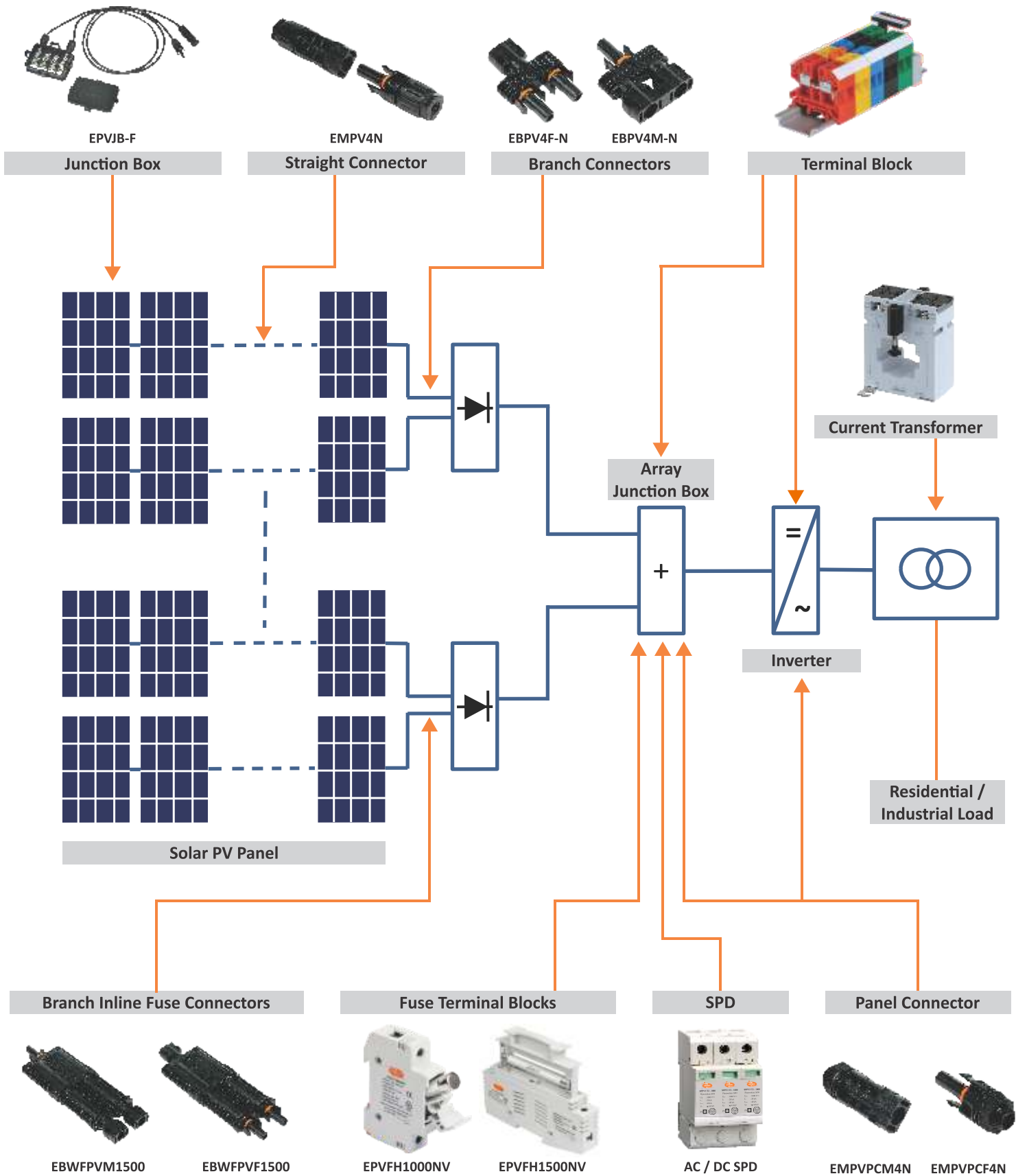
*'elmex'* PV product range conforms to International standards like **IEC 62852-2014** for Connectors and **IEC 62790** for Junction Boxes and **UL 4248** for Fuse Terminals.

*'elmex'* has installed more than 6 million connectors and served 200+ sites across India. With more than 150 distributors nationwide and field engineers present in all major cities across India, *'elmex'* provides a 24x7 support to its customer base.



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**Solutions For EPC / Rooftop  
/ Project Developers**

- PV Straight Connectors (1500V)
- PV Branch Connectors (1500V)
- PV Straight Inline Fuse Connectors (1500V / 1000V)
- PV Branch Inline Fuse Connectors (1500V / 1000V)
- Over Moulded Wire Harnesses (1500V / 1000V)



**Solutions For System  
Integrators / Inverters**

- PV Panel Connectors (1500V)
- PV Fuse Terminal Blocks (1500V / 1000V)
- Terminal Blocks



**Solutions For PV Panels  
/ Module Manufacturers**

- PV Solar - 2 Rail Junction Box
- PV Solar - 3 Rail Junction Box
- PV Solar - 4 Rail Junction Box



'elmex' PV Solar Straight connectors **EMPV4**, **EMPV4N** and **EMPV10** with plug and socket design are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays and for application in PV power generation system. These connectors incorporate a flexible water tight sealing conforming to IP 68 and are supplied as 'male (plug)' and 'female (socket)' types to minimize the chance of wrong connections. For proper assembly of individual male and female connectors and for proper functioning of the mated pair, it is necessary that solar cables used are TUV certified as per standard EN 50618. 'elmex' straight connectors are certified for PV solar cables **2.5, 4.0, 6.0 and 10.0 mm<sup>2</sup>** size, double insulated (Insulation plus black sheath) & UV protection (as UV rays tend to damage the connection).



## Features

- ❖ TUV Certified
- ❖ Snap Fit Locking Arrangement
- ❖ IP 68 Protection when mated
- ❖ Low Contact Resistance
- ❖ Provides UV Protection (Tested for 500 hrs as per ISO 4892-2)
- ❖ Tested as per International Standards / IEC 62852

Description	Specifications
Rated Voltage	1500V DC
Rated Current	25A (2.5 mm <sup>2</sup> ), 45A (4 mm <sup>2</sup> ), 54A (6 mm <sup>2</sup> ), 70A (10mm <sup>2</sup> )
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 67 / IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Contact Resistance	≤ 0.25 mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In

Note : Our Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0/ 10.0 mm<sup>2</sup> diameter (As per EN 50618).

\*Connectors when mated, need a tool to open in accordance with NEC 2014.

'elmex' PV Solar Branch connectors **EBPV4M-N** and **EBPV4F-N** are applicable for parallel connection with PV straight male or female connectors depending on on-site application. Branch connectors have 3 branches, 2 for inputs, either male or female and 1 for output, either male or female. These connectors are constructed using flame retardant thermoplastic suitable for exposure to UV rays and for application in PV power generation system. When mated, they can be disconnected with the use of 'elmex' make open end spanner. 'elmex' branch connectors have mating compatibility not only with 'elmex' straight connectors but also with straight connectors of leading International makes having similar construction.



## Features

- ❖ TUV Certified
- ❖ Snap Fit Locking Arrangement
- ❖ IP 68 Protection when mated
- ❖ Low Contact Resistance
- ❖ Provides UV Protection (Tested for 500 hrs as per ISO 4892-2)
- ❖ Tested as per International Standards / IEC 62852

Description	Specifications
Rated Voltage	1500V DC
Rated Current	25A (2.5 mm <sup>2</sup> ), 45A (4 mm <sup>2</sup> ), 54A (6 mm <sup>2</sup> )
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Contact Resistance	≤ 0.25 mΩ, ≤ 0.5 mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In



\*Connectors when mated, need a tool to open in accordance with NEC 2014.

'elmex' PV Solar Panel connectors **EMPVPCM4N** and **EMPVPCF4N** are applicable for panel mounting connection. They are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays and for application in PV power generation system. 'elmex' panel connectors are designed for use in connection for photovoltaic devices like DC Distribution Box, Inverter, String Combiner Box, etc. These connectors are provided with hexagonal nut for fixing and tightening it on mounting surface. A silicon rubber o-ring is provided between panel connector surface and the wall of the photovoltaic enclosure ensuring protection against ingress of water & dust. 'elmex' panel connectors have mating compatibility not only with 'elmex' straight connectors but also with straight connectors of leading international makes having similar construction.



## Features

- ❖ TUV Certified
- ❖ Snap Fit Locking Arrangement
- ❖ IP 68 Protection when mated
- ❖ Low Contact Resistance
- ❖ Provides UV Protection (Tested for 500 hrs as per ISO 4892-2)
- ❖ Tested as per International Standards / IEC 62852

Description	Specifications
Rated Voltage	1500V DC
Rated Current	25A (2.5 mm <sup>2</sup> ), 45A (4 mm <sup>2</sup> ), 54A (6 mm <sup>2</sup> )
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Contact Resistance	≤ 0.25 mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In



R60126561

Note: Our Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0 mm<sup>2</sup> diameter (As per EN 50618).

\*Connectors when mated, need a tool to open in accordance with NEC 2014.



'elmex' PV Solar Straight Inline fuse connectors **EMPV4IFC1500**, **EMPV4IFCM1500** and **EMPV4IFCF1500** are applicable for photovoltaic string protection. The variants of these connectors offer users with options of either using a male or female straight connector at one end & cable at the other end or using male/female straight connectors at both the ends for string protection with fuse. 'elmex' straight inline fuse connectors have plug & socket design suitable for **2.5, 4.0, 6.0 mm<sup>2</sup>** size cables & are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. They are suitable for use with gPV (Cylindrical) fuse of  $\phi$  10 X 85 mm.



Description	Specifications
Rated Voltage	1500V DC
Rated Current	30A
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In

- Note: (1) Our Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0 mm<sup>2</sup> diameter (As per EN 50618).  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.  
 (3) It is recommended to use gPV (cylindrical) fuse of  $\phi$  10 X 85 mm dimension.

## 'elmex' gPV Fuse Link

'elmex' gPV Fuse Link suitable for 1500V DC photovoltaic applications.



Description	Specifications
Rated Voltage	1500V DC
Rated Current	upto 30 A
Type	gPV (Cylindrical)
Dimension	$\phi$ 10 X 85 mm
Testing Standard	UL 248-1, UL 248-19 Extended to UL 2579



'elmex' PV Solar Straight Inline fuse connectors **EMPV4IFC**, **EMPV4IFCM** and **EMPV4IFCF** are applicable for photovoltaic string protection. The variants of these connectors offer users with options of either using a male or female straight connector at one end and cable at the other end or using male/female straight connectors at both the ends for string protection with fuse. 'elmex' straight inline fuse connectors have plug and socket design suitable for **2.5, 4.0, 6.0 mm<sup>2</sup>** size cables and are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. They are suitable for use with gPV (Cylindrical) fuse of  $\phi$  10 X 38 mm.



Description	Specifications
Rated Voltage	1000V DC
Rated Current	15A
RMS Test Voltage	6 kV (1000V)
Impulse with stand Voltage	12 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In

- Note: (1) Our Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0 mm<sup>2</sup> diameter (As per EN 50618).  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.  
 (3) It is recommended to use gPV (cylindrical) fuse of  $\phi$  10 X 38 mm dimension.

## 'elmex' gPV Fuse Link



'elmex' gPV Fuse Link suitable for 1000V DC photovoltaic applications.

Description	Specifications
Rated Voltage	1000V DC
Rated Current	4, 10, 12, 15, 16, 20, 25, 30 A
Type	gPV (Cylindrical)
Dimension	$\phi$ 10 X 38 mm
Testing Standard	IEC 60269-6

'elmex' PV Solar Branch Inline fuse connectors **EBWFPVM1500** and **EBWFPVF1500** are applicable for parallel connection for Photovoltaic string protection depending on on-site application. Branch inline fuse connectors have 3 branches, 2 for inputs, either male or female and 1 for output, either male or female. These connectors have plug and socket design & are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. 'elmex' PV branch inline fuse connectors are suitable for use with gPV (Cylindrical) fuse of  $\phi 10 \times 85$  mm.



**EBWFPVM1500**



**EBWFPVF1500**

Description	Specifications
Rated Voltage	1500V DC
Rated Current	30A (Output)
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In

Note: (1) It is recommended to use gPV (cylindrical) fuse of  $\phi 10 \times 85$  mm dimension.  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.

## 'elmex' gPV Fuse Link

'elmex' gPV Fuse Link suitable for 1500V DC photovoltaic applications.



**EPVFL1500**

Description	Specifications
Rated Voltage	1500V DC
Rated Current	upto 30 A
Type	gPV (Cylindrical)
Dimension	$\phi 10 \times 85$ mm
Testing Standard	UL 248-1, UL 248-19 Extended to UL 2579



'elmex' PV Solar Branch Inline fuse connectors **EBWFPVM** and **EBWFPVF** are applicable for parallel connection for Photovoltaic string protection depending on on-site application. Branch inline fuse connectors have 3 branches, 2 for inputs, either male or female and 1 for output, either male or female. These connectors have plug and socket design and are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. 'elmex' PV branch inline fuse connectors are suitable for use with gPV (Cylindrical) fuse of  $\phi 10 \times 38$  mm.



**EBWFPVM**



**EBWFPVF**

Description	Specifications
Rated Voltage	1000V DC
Rated Current	30A (Output)
RMS Test Voltage	6 kV (1000V)
Impulse with stand Voltage	12 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In

Note: (1) It is recommended to use gPV (cylindrical) fuse of  $\phi 10 \times 38$  mm dimension.  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.

## 'elmex' gPV Fuse Link

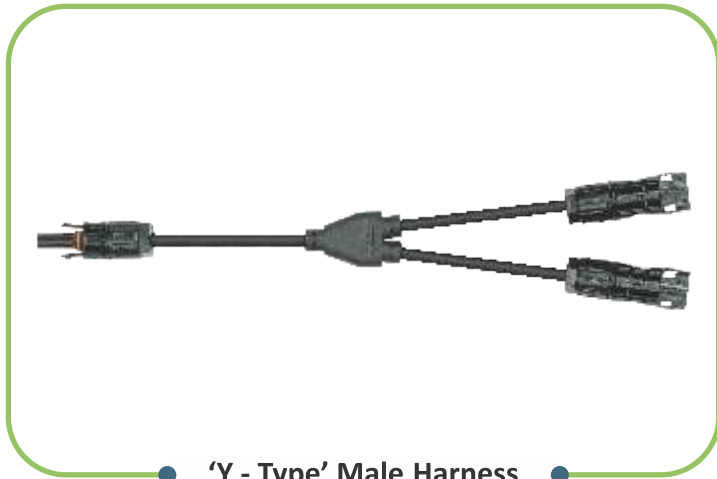


**EPVFL**

'elmex' gPV Fuse Link suitable for 1000V DC photovoltaic applications.

Description	Specifications
Rated Voltage	1000V DC
Rated Current	4, 10, 12, 15, 16, 20, 25, 30 A
Type	gPV (Cylindrical)
Dimension	$\phi 10 \times 38$ mm
Testing Standard	IEC 60269-6

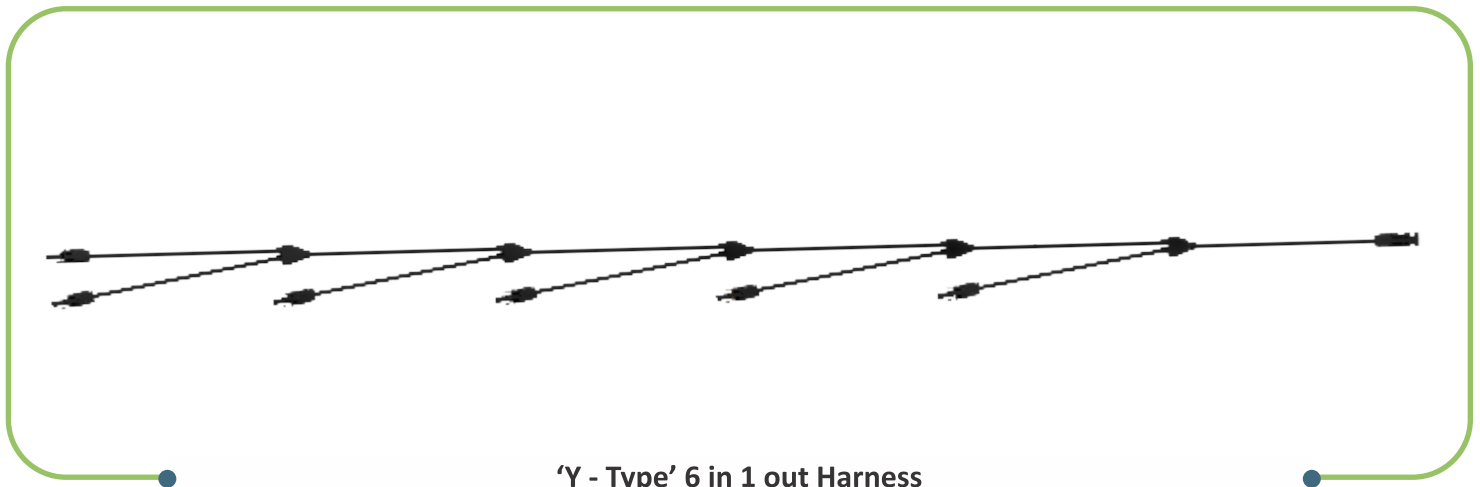
'elmex' PV Solar Over Moulded Wire Harness solutions are suitable for photovoltaic applications, having multiple input & output with plug & socket design suitable for 2.5, 4.0, 6.0 mm<sup>2</sup> size cables. They are constructed using flame retardant engineering thermoplastic elastomer suitable for exposure to UV rays & for application in PV power generation system. The over moulded wire harnesses are customized solutions & can be configured using straight connectors or inline fuse connectors with different cable sizes of 2.5, 4.0 & 6.0 mm<sup>2</sup>.



'Y - Type' Male Harness



'Y - Type' Female Harness



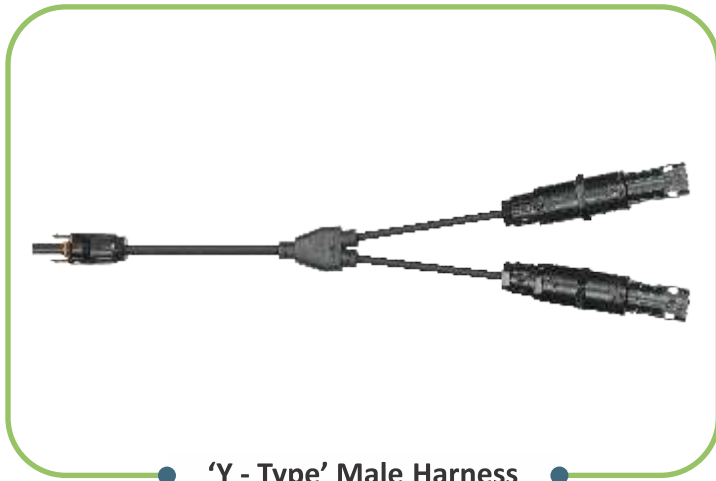
'Y - Type' 6 in 1 out Harness

Description	Specifications
Rated Voltage	1500V DC / 1000V DC
Rated Current	54A (Output)
RMS Test Voltage	8 kV (1500V) / 6 kV (1000V)
Contact Material	Copper with Tin Plating
Degree of Protection	IP 68
Pollution Degree	III
Rated Conductor Size	2.5 mm <sup>2</sup> / 4.0 mm <sup>2</sup> / 6.0 mm <sup>2</sup>
Locking System	Snap In Locking Type

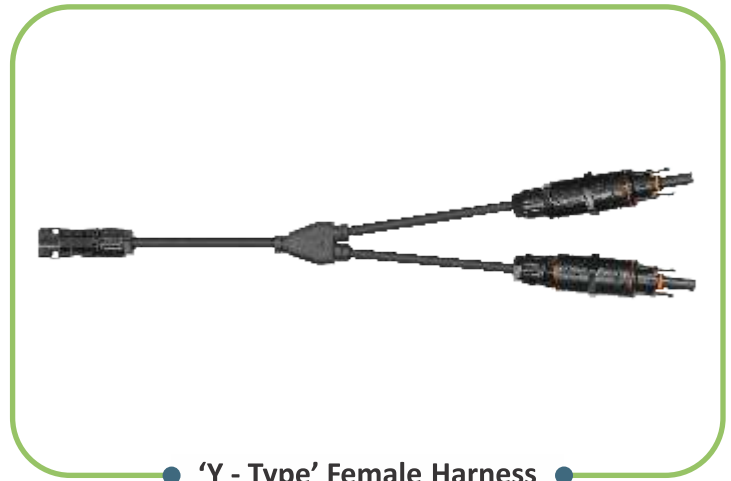


Note: (1) 'elmex' Wire Harness solutions are customized, based on cable size, length & type of connectors  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.

'elmex' PV Solar Over Moulded Wire Harness solutions are suitable for photovoltaic applications, having multiple input & output with plug & socket design suitable for 2.5, 4.0, 6.0 mm<sup>2</sup> size cables. They are constructed using flame retardant engineering thermoplastic elastomer suitable for exposure to UV rays & for application in PV power generation system. The over moulded wire harnesses are customized solutions & can be configured using straight connectors or inline fuse connectors with different cable sizes of 2.5, 4.0 & 6.0 mm<sup>2</sup>.



● 'Y - Type' Male Harness ●



● 'Y - Type' Female Harness ●

Description	Specifications
Rated Voltage	1000V DC
Rated Current	30A (Output)
RMS Test Voltage	6 kV (1000V)
Contact Material	Copper with Tin Plating
Degree of Protection	IP 68
Pollution Degree	III
Rated Conductor Size	2.5 mm <sup>2</sup> / 4.0 mm <sup>2</sup> / 6.0 mm <sup>2</sup>
Locking System	Snap In Locking Type



19616599001

Note: (1) 'elmex' Wire Harness solutions are customized, based on cable size, length & type of connectors  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.

## 'elmex' gPV Fuse Link

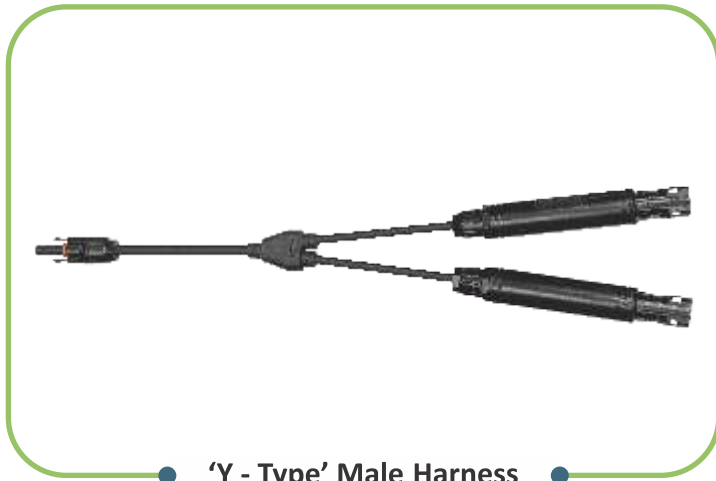


● EPVFL ●

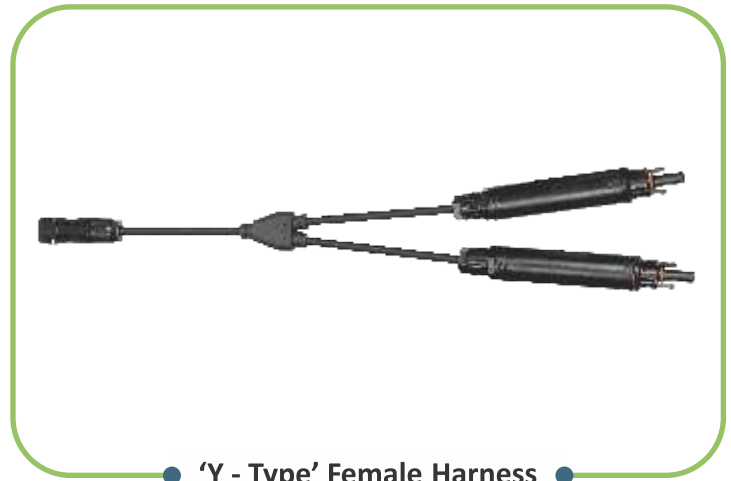
'elmex' gPV Fuse Link suitable for 1000V DC photovoltaic applications.

Description	Specifications
Rated Voltage	1000V DC
Rated Current	4, 10, 12, 15, 16, 20, 25, 30 A
Type	gPV (Cylindrical)
Dimension	∅ 10 X 38 mm
Testing Standard	IEC 60269-6

'elmex' PV Solar Over Moulded Wire Harness solutions are suitable for photovoltaic applications, having multiple input & output with plug & socket design suitable for 2.5, 4.0, 6.0 mm<sup>2</sup> size cables. They are constructed using flame retardant engineering thermoplastic elastomer suitable for exposure to UV rays & for application in PV power generation system. The over moulded wire harnesses are customized solutions & can be configured using straight connectors or inline fuse connectors with different cable sizes of 2.5, 4.0 & 6.0 mm<sup>2</sup>.



● 'Y - Type' Male Harness ●



● 'Y - Type' Female Harness ●

Description	Specifications
Rated Voltage	1500V DC
Rated Current	54A (Output)
RMS Test Voltage	8 kV (1500V)
Contact Material	Copper with Tin Plating
Degree of Protection	IP 68
Pollution Degree	III
Rated Conductor Size	2.5 mm <sup>2</sup> / 4.0 mm <sup>2</sup> / 6.0 mm <sup>2</sup>
Locking System	Snap In Locking Type

Note: (1) 'elmex' Wire Harness solutions are customized, based on cable size, length & type of connectors  
 (2) Connectors when mated, need a tool to open in accordance with NEC 2014.

## 'elmex' gPV Fuse Link

'elmex' gPV Fuse Link suitable for 1500V DC photovoltaic applications.



● EPVFL1500 ●

Description	Specifications
Rated Voltage	1500V DC
Rated Current	upto 30 A
Type	gPV (Cylindrical)
Dimension	∅ 10 X 85 mm
Testing Standard	UL 248-1, UL 248-19 Extended to UL 2579



<p><b>Step 1</b></p> <p>Prepare the cable by inserting following components in the sequence as mentioned below:</p> <p><b>Sequence Components</b>                  1) Connector Cap                  2) Grommet with Collet</p>	<p><b>Step 2</b></p> <p>Strip the cable as per specified stripping length i.e. 8mm to 10mm</p>	<p><b>Step 3</b></p> <p>1) Select the jaw as per cable size                  2) Place the cable in the appropriate jaw</p> <p>This part is to be held in 1                  the jaw for crimping 2</p>
<p><b>Step 4</b></p> <p>Hold the contact in a crimping tool</p>	<p><b>Step 5</b></p> <p>Insert the cable into the contact</p>	<p><b>Step 6</b></p> <p>Press the crimping tool until it release itself</p>
<p><b>Step 7</b></p> <p>Insert the crimped contact into the straight connector until a locking sound (click) is heard</p>	<p><b>Step 8</b></p> <p>Set the Grommet &amp; Collet properly on connector</p>	<p><b>Step 9</b></p> <p>Tighten the cap with Tightening tool</p>
<p><b>Step 10</b></p> <p>The Male &amp; Female connectors are ready for connection</p>	<p><b>Step 11</b></p> <p>1) Press to fit for reliable connection                  2) Ensure that it looks properly for reliable connection</p>	

Note: Our Connectors are suitable for PV Solar cable of 2.5/4.0/6.0 mm diameter (As per EN 50618).

## 'elmex' PV Solar Product Accessories

<p><b>Connector Sealing Caps</b></p> <p><b>EPVSCPF</b> (for female connector)</p> <p><b>EPVSCPM</b> (for male connector)</p>	<p><b>Spanner Tools</b></p> <p><b>EPVOS-S</b> Exclusively for 'elmex' connectors</p> <p><b>EPVOS-U</b> To disconnect 'elmex' and other make connectors</p>	<p><b>Crimping Tool</b></p> <p><b>ESCCT</b></p> <p>'elmex' Crimping Tool is recommended for crimping connector's pin with 2.5 / 4.0 / 6.0 mm<sup>2</sup> solar cable.</p>
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'elmex' PV Solar - 2 Rail Junction Boxes **EPVJB3** and **EPVJB6** are suitable for Solar Street Light Low Wattage (less than 50W) Panels. They are designed with sliding snap fit locking arrangement, available with 2 - in and 1 - out cable connections.



Description	Specifications EPVJB3	Specifications EPVJB6
Rated Current	3A	6A
Contact Material	Copper Alloy with Nickel and Tin Plating	Copper Alloy with Nickel and Tin Plating
Ambient Temperature	-40° C to +85° C	-40° C to +85° C
Application	3W to 20W	30W to 50W
Locking System	Sliding Snap Fit	Sliding Snap Fit

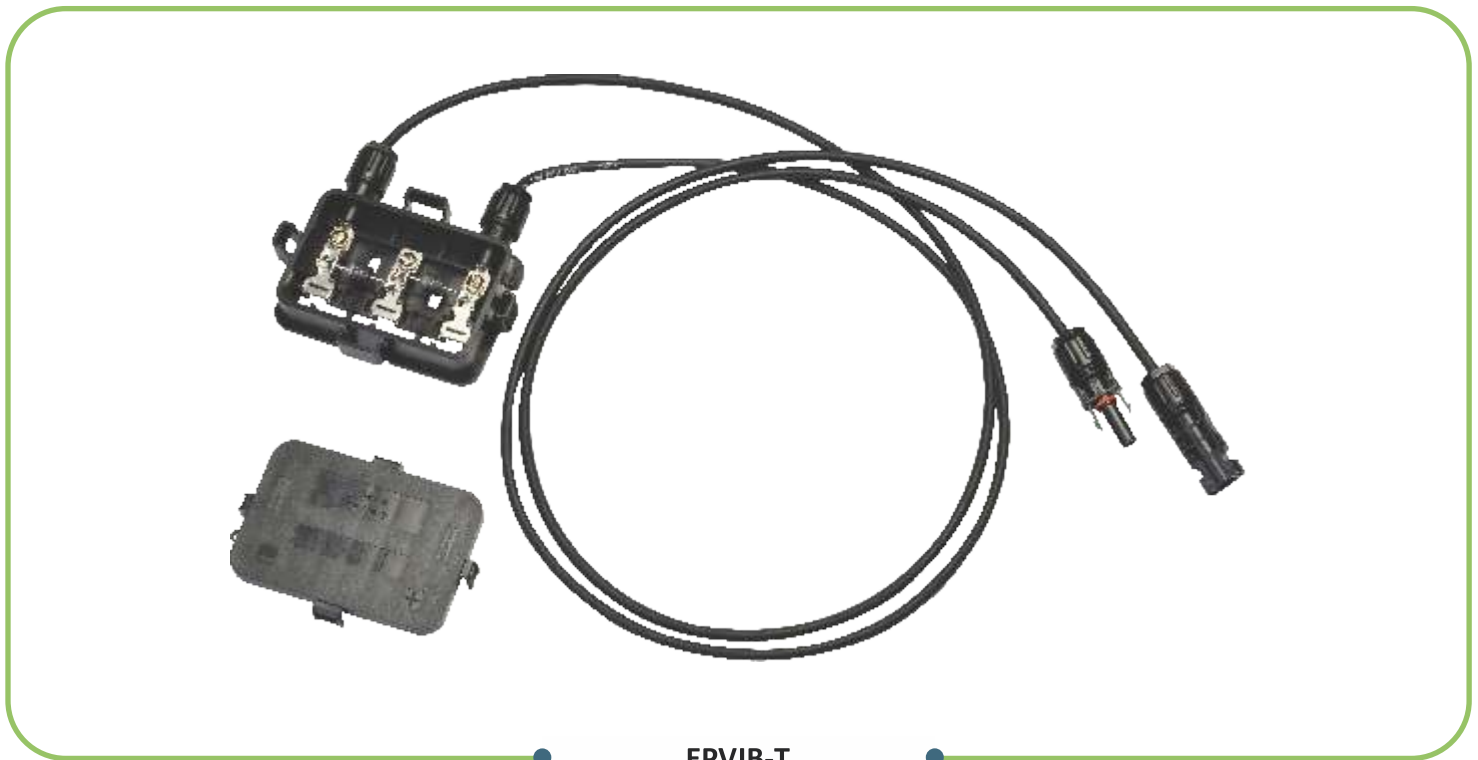
## 'elmex' PV Solar - 2 Rail Junction Box with Diode

'elmex' PV Solar - 2 Rail Junction Box **EPVJB-2R** is suitable for Solar Street Light Low Wattage (less than 150W) Panels. It is designed with snap fit locking arrangement, available with 2 - in 1 - out cable connection & with 6A / 10A diode.



Description	Specifications
Rated Voltage	1000V DC
Rated Current	6A / 10A
Contact Material	Copper Alloy with Nickel and Tin Plating
Degree of Protection	IP65
Ambient Temperature	-40° C to +85° C
Application	50W to 150W
Locking System	Snap Fit
Diode Rating	6A / 10A

'elmex' PV Solar - 3 Rail Junction Box **EPVJB-T** is suitable for electrical connection from PV Crystalline module as a solution for easy and reliable interconnection from PV module to DC/AC converters. It has simple and cost effective assembly designed with snap fit locking arrangement with IP 65 protection requirement for PV industry. The Junction Box is provided with two cables each of 1 meter length, with 'elmex' make straight male and female **EMPV4 / EMPV4N** connectors for simple on-site wiring.



**EPVJB-T**

Description	Specifications
Rated Voltage	1000V DC
Rated Current	10A
Degree of Protection	IP 65
Type of Terminal	Soldering
Number of Diodes	2
Diode Rating	10A / 15A*
Contact Material	Copper with Tin Plating
Ambient Temperature	-40C° to +85° C
Application	150W to 250W
Connector	'elmex' Straight Connectors <b>EMPV4 / EMPV4N</b>
Locking System	Snap In

\*15A Diode is Schottky Diode

'elmex' PV Solar - 4 Rail Junction Box **EPVJB-F** is suitable for electrical connection from PV Crystalline module as a solution for easy and reliable interconnection from PV module to DC / AC converters. It has simple and cost effective assembly designed with snap fit locking arrangement with IP 65 protection requirement for PV industry. The Junction Box is provided with two cables each of 1 meter length, with 'elmex' make straight male and female **EMPV4 / EMPV4N** connector for simple on-site wiring. PV Junction Box employs fast switching Schottky Diodes with peak reverse voltage rating of 45 V. The diodes are soldered with PV rails using lead-free, high melting point solder alloy. PV ribbons from PV module can be connected with junction box rails by soldering process.

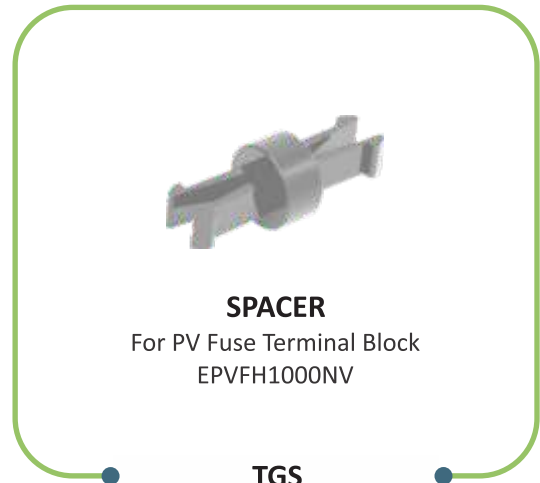


**EPVJB-F**

Description	Specifications
Rated Voltage	1000V DC
Rated Current	12A
Degree of Protection	IP 65
Type of Terminal	Soldering
Number of Diodes	3
Diode Rating	15A / 20A / 25A
Type of Diode	Schottky Diode
Contact Material	Copper with Tin Plating
Operating Temperature	-40°C to +85°C
Application	250W to 310W
Connector	'elmex' Straight Connectors <b>EMPV4 / EMPV4N</b>
Locking System	Snap In
Cable	TUV certified solar cable of 1 meter standard length



'elmex' PV Solar Fuse Terminal Block **EPVFH1000NV** is suitable for photovoltaic application & applicable for string protection. It is designed for use in connection for photovoltaic devices like DC and AC Distribution Box, Inverter, String Combiner Box, etc. which is used for rooftop or ground mounted projects. The fuse terminal block is constructed as per standard UL 4248-1 and UL 4248-19 are suitable for cylindrical gPV fuse size  $\phi$  10 X 38 mm. Fuse Terminal Blocks can be mounted along with spacer. The Spacer creates gap between adjacent fuse holders and this gap allows air circulation thereby reducing operating temperature.



Description	Specifications
Rated Voltage	1000V DC
Rated Current	30A
Degree of Protection	IP 20
Rated Cross Section	8 - 18 AWG
Rated Torque	24.2 lb-in
Dimensions ( W x H x P )	78 x 62 x 18 mm
Mounting Channel	CHK / CHKS
Standard Box Packing	20 Nos.



Note: It is recommended to use gPV (cylindrical) fuse of  $\phi$  10 X 38 mm dimension.

## 'elmex' gPV Fuse Link



'elmex' gPV Fuse Link suitable for 1000V DC photovoltaic applications.

Description	Specifications
Rated Voltage	1000V DC
Rated Current	4, 10, 12, 15, 16, 20, 25, 30 A
Type	gPV (Cylindrical)
Dimension	$\phi$ 10 X 38 mm
Testing Standard	IEC 60269-6

'elmex' PV Solar Fuse Terminal Block **EPVFH1500NV** is suitable for photovoltaic application and applicable for string protection. It is designed for use in connection for photovoltaic devices like DC and AC Distribution Box, Inverter, String Combiner Box, etc. which is used for rooftop or ground mounted projects. The fuse terminal block is constructed as per standard UL 4248-1 and UL 4248-19 are suitable for cylindrical gPV fuse size  $\phi$  10 X 85 mm. Fuse Terminal Blocks can be mounted along with spacer. The Spacer creates gap between adjacent fuse holders and this gap allows air circulation thereby reducing operating temperature.



**EPVFH1500NV**



**SPACER**  
For PV Fuse Terminal Block  
EPVFH1500NV

**TGS**

Description	Specifications
Rated Voltage	1500V DC
Rated Current	30A
Degree of Protection	IP 20
Rated Cross Section	8 - 18 AWG
Rated Torque	24.2 lb-in
Dimensions ( W x H x P )	130 x 68.4 x 19.5 mm
Mounting Channel	CHK / CHKS
Standard Box Packing	6 Nos.



Note: It is recommended to use gPV (cylindrical) fuse of  $\phi$  10 X 85 mm dimension.

## 'elmex' gPV Fuse Link

'elmex' gPV Fuse Link suitable for 1500V DC photovoltaic applications.



**EPVFL1500**

Description	Specifications
Rated Voltage	1500V DC
Rated Current	upto 32 A
Type	gPV (Cylindrical)
Dimension	$\phi$ 10 X 85 mm
Testing Standard	UL 248-1, UL 248-19 Extended to UL 2579



**Type 2 DC SPD**



**SPPV3T2-1000**



**SPPV3T2-1500**

**Type 2 AC SPD**



**SPPV3+1T2-320**



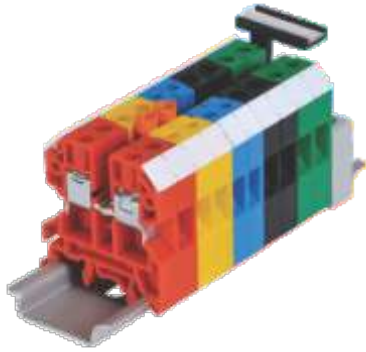
**SPPV1+1T2-320**

'elmex' Type	Product Description
SPPV3+1T2-320	320V AC 3+1 Pole - Type 2 SPD
SPPV1+1T2-320	320V AC 1+1 Pole - Type 2 SPD
SPPV1T2-320	320V AC 1 Pole - Type 2 SPD
SPPV2T2-320	320V AC 2 Pole - Type 2 SPD
SPPV3T2-320	320V AC 3 Pole - Type 2 SPD
SPPV4T2-320	320V AC 4 Pole - Type 2 SPD
SPPV3T2-1000	1000V DC - Type 2 SPD
SPPV3T2-1000R	1000V DC with Remote Signalling Contact - Type 2 SPD
SPPV3T2-1500	1500V DC - Type 2 SPD
SPPV3T2-1500R	1500V DC with Remote Signalling Contact - Type 2 SPD
SPPV2T2-600	600V DC - Type 2 SPD



No. B 101735 0001 Rev.00  
No. B 101735 0002 Rev.00

'elmex' range of Terminal Blocks for conductor size ranging from 2.5 to 95 mm<sup>2</sup> are tested and approved for 1000V DC / 1500V DC and are suitable for use in Solar Photovoltaic Systems. Electrical ratings of these terminal blocks are given below. These terminal blocks have conductor termination by screw-clamp technology or by screwless (spring clamp technology).



● SCREW CLAMP TERMINAL BLOCKS ●



● SCREWLESS TERMINAL BLOCKS ●

'elmex' Type	Ratings
KUT 2.5N	1000V DC/24 A/2.5 mm <sup>2</sup> /0.5 Nm
KUT 4N	1000V DC/32 A/4 mm <sup>2</sup> /0.6 Nm
KUT 6N	1000V DC/41 A/6 mm <sup>2</sup> /0.8 Nm
KUT 10N	1000V DC/63 A/10 mm <sup>2</sup> /1.2 Nm
KUT 25	1000V DC/101 A/25 mm <sup>2</sup> /2.3 Nm
KUT35	1000V DC/125 A/35 mm <sup>2</sup> /3 Nm
KUT 50	1000V DC/150 A/50 mm <sup>2</sup> /8 Nm
KUT 95	1000V DC/232 A/95 mm <sup>2</sup> /20 Nm
DST 2.5	1000V DC/24 A/2.5 mm <sup>2</sup>
DST 2.5 1x2	1000V DC/24 A/2.5 mm <sup>2</sup>
DST 4	1000V DC/32 A/4 mm <sup>2</sup>
DST 6	1000V DC/41 A/6 mm <sup>2</sup>
DST 10	1000V DC/57 A/10 mm <sup>2</sup>
DST 16	1000V DC/76 A/16 mm <sup>2</sup>
SCT 2.5	1000V DC/24 A/2.5 mm <sup>2</sup>
SCT 4	1000V DC/32 A/4 mm <sup>2</sup>
MCT 2.5	1000V DC/24 A/2.5 mm <sup>2</sup>
MCT 2.5P4	1000V DC/24 A/2.5 mm <sup>2</sup>
MCT 4	1000V DC/32 A/4 mm <sup>2</sup>
DCT 2.5 1x2	1000V DC/24 A/2.5 mm <sup>2</sup>
DCT 2.5 2x2	1000V DC/24 A/2.5 mm <sup>2</sup>



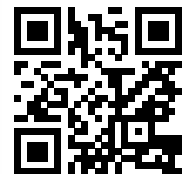
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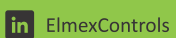
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TECHNICAL SPECIFICATIONS MAY CHANGE IN LINE WITH TECHNICAL ADVANCES AND INDUSTRY STANDARDS.