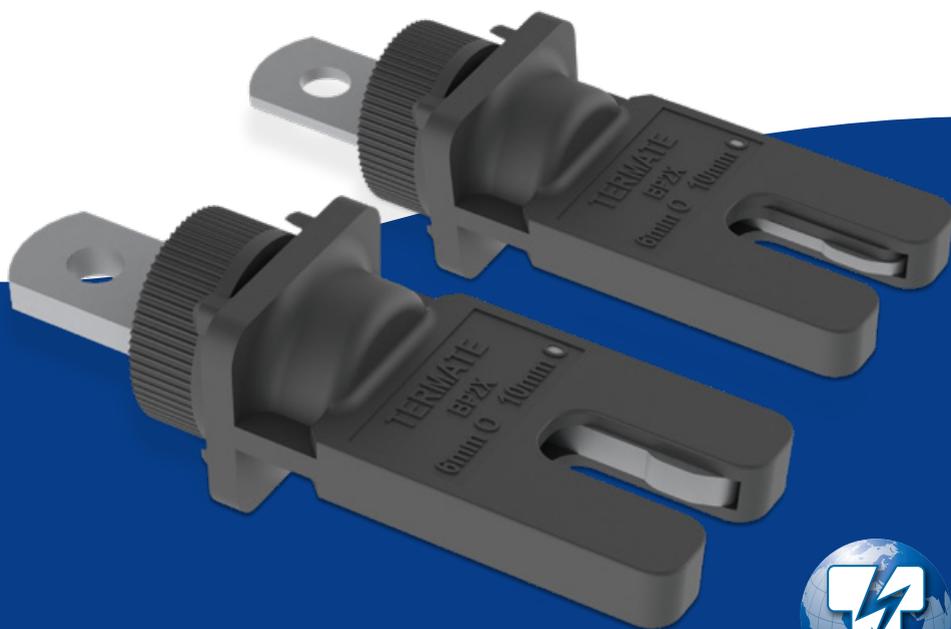


The smart connection

Termate's BP2X low voltage Busbar Plug. Easy to install and versatile plugs that enable you to achieve an IP2X solution without the need for shutters.

- 250A & 400A/630A variants
- Suitable for 6.0mm, 6.3mm & 10mm conductors
- Single pole design for added flexibility
- Simple installation, no additional fixings



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TERMATE

Termate have manufactured high performance components since 1956, supplying a global customer base from our U.K. headquarters.

For over 60 years we have independently tested our products to ensure that they meet and exceed the demands of international standards including IEC 61439. We work with leading test houses and certification bodies including KATF, ASTA and Dekra.

Our new products offer superb performance and longevity, incorporating materials manufactured to our specification. We listen to our customers requirements and respond, which has led to the introduction of versatile products. These can be used in more applications reducing the total costs to our partners.

We are well known by our customers for the detailed application engineering and the first class customer service we offer.

This leaflet displays our range of Busbar Plugs, part of our LV Power Products Range which comprises Busbar supports, Stand-offs, Through Wall Bushings, and Components for Withdrawable Systems. These products are all manufactured with the latest equipment at our facility in Nottingham.

We hope that our Busbar Plugs are of interest. If you would like to receive a quote, application help or learn more about any of our products or services, we would be delighted to hear from you.

You can find out more information by visiting our website at www.termate.com, alternatively you can email our sales team at sales@termate.com or call **+44 [0]115 978 4652**.

BP2X Low Voltage Busbar Plugs

BP2X250 & BP2X400



Properties

Body Material:	Glass Reinforced Polyamide 6.6
Contact Material:	Silver Plated Copper Contacts
Max Conductor Temp:	105°C†
Flammability:	UL94-V0
Equipment Voltage U_g :	1000V
Insulation Voltage U_i :	1000V
Impulse Voltage U_{imp} :	12kV
Glow Wire:	960°C

†This temperature limit is based on the expectation of a 105°C Cable / Flexible Busbar being fitted.

BP2X Low Voltage Busbar Plug – Test Results

Current Rating*	Temperature Rise	Fixed Conductor Size [mm]	Tested Ipk (No SCPD)	Estimated Protected Short Circuit Rating Icc**	Part Number
250A	29K	6.0/6.3	30kA	100kA	BP2X250-6
250A	29K	10	30kA	100kA	BP2X250-10
400A/630A	29K (400A) or 47K (630A)	6.0/6.3	40kA	100kA	BP2X400-6
400A/630A	29K (400A) or 47K (630A)	10	40kA	100kA	BP2X400-10

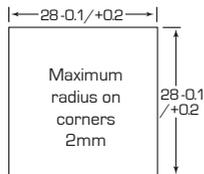
*The unenclosed ratings were tested based on an ambient of 35°C with test conditions as declared in IEC 61439 with temperature rise as shown.

**This figure is based on an assessment of multiple devices peak let through current. The specific peak let through current for the selected SCPD should be confirmed not to exceed the Ipk declared.

Mounting Plate Cut-Out Detail:

Termate recommends that any cutting made after the finish has been applied, should be treated to ensure compliance with IEC 61439-1 section 10.2.2 (resistance to corrosion).

Care should be taken to ensure that the mounting plate exhibits sufficient mechanical strength consistent with the Busbar Plugs being inserted and withdrawn multiple times. Experience, judgement and good engineering practice should always be applied.



Recommended Maintenance

- Moving assemblies are inspected within every 200 operations or immediately after any form of short circuit
- Unplug or withdraw the moving assembly
- Visually inspect all components for damage or signs of arcing, damaged or worn components should be further inspected or replaced as required
- Clean and re-grease any moving electrical contacts with a suitable electrical grade lubricant
- Clean and re-grease any moving mechanical parts with a suitable lubricant
- Check tightness of any fixings

Termate is committed to the highest standard of Customer Focus and we have made every effort to maintain the accuracy and completeness of the information provided in this catalogue. Where improvements to our products affect their installation and usage we endeavour to contact any Customers who may be affected.

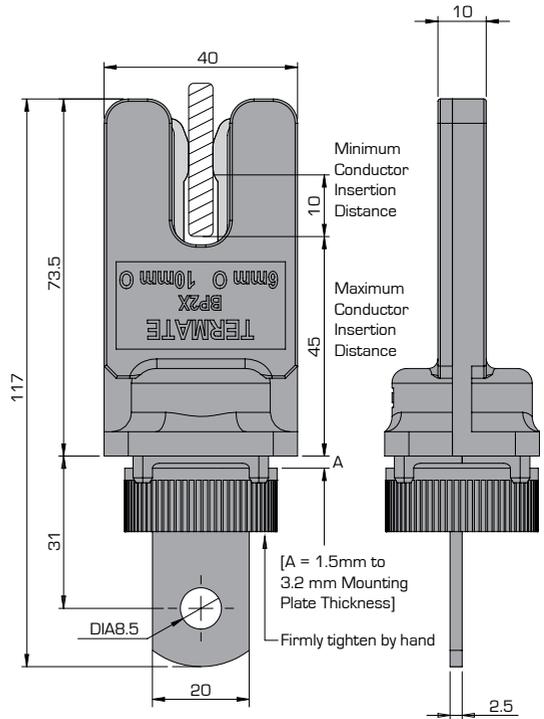
If you need to rely on our technical data or dimensions in your application, please contact us for further confirmation or detailed dimensional drawings/ 3D models.

Warranty as stated in Encompass Group Terms and Conditions of Trading is void if any modification is made to the warranted product.

BP2X250



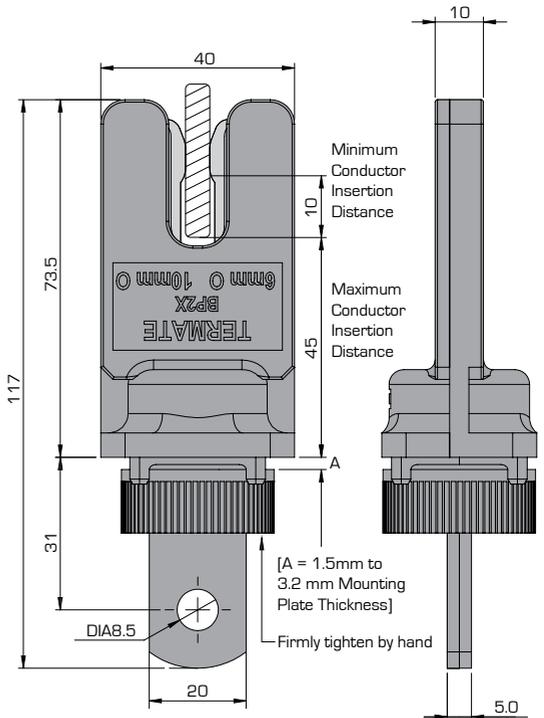
Please Note: The plug connector has been designed to be connected and disconnected off load.



BP2X400



Please Note: The plug connector has been designed to be connected and disconnected off load.





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