



## Product Type Approval Certificate

*Full*

This certificate is issued to:

<b>Supplier name and address:</b>	TE Connectivity Pty Ltd. Suite 501, Level 5/3 Thomas Holt Dr, Macquarie Park, NSW, 2113
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In respect of:

<b>Manufacturer:</b>	Bowthorpe (TE)
<b>Place of manufacture:</b>	Tyco Electronics UK Ltd. manufacturing plant 12 Freebournes road, Witham, Essex, CM8 3AH, United Kingdom
<b>Product description:</b>	Surge arrester, Bowthorpe product code: PBA3-72, gapless metal oxide (MO) surge arrester. Continuous Rating ( $U_c$ ): 57.6 kV rms Rated voltage ( $U_r$ ): 72 kV rms Nominal discharge surge current: 10 kA Designation class: SL Max residual voltage 8/20 $\mu$ s, 5 kA: 171 kV Max residual voltage 8/20 $\mu$ s, 10 kA: 182 kV
<b>Use approved for:</b>	Use on the RailCorp 66kV AC network
<b>Conditions of approval:</b>	<ul style="list-style-type: none"><li>To be used in unshielded locations with a max lead length of &lt;1.4m (MOP &gt; 0.5)</li><li>To be used in shielded locations with a max lead length of &lt;3.52m (MOP &gt; 0.2)</li><li>Any deviation from the Bowthorpe PBA3-72 product code or electrical parameters will require resubmission to ASA for technical evaluation and approval.</li></ul>
<b>Limitations:</b>	N/A

## Evaluating rail transport operator

<b>Name:</b>	Terry Niemeier
<b>Position:</b>	Lead Electrical Engineer, Asset Standards Authority, Transport for NSW
<b>Signature:</b>	<i>T Niemeier</i>
<b>Date:</b>	15/05/2020

**Product approval pack reference number:** qA796056