

Product Type Approval Certificate

This certificate is issued to:

Supplier:	ABB Australia Pty Ltd
	88 Beresford Road, Lilydale Victoria 3140

In respect of:

Manufacturer:	ABB
Place of manufacture:	Jurastrasse 45, CH-5430 Wettingen, Switzerland
Product description:	Surge arrester, ABB product code: POLIM-H 2.0 SD, gapless metal oxide (MO) dc surge arrester. Continuous Rating (U_c): 2.0 kV dc Rated Voltage (U_r): 2.0 kV dc Rated discharge surge current 10 kA, 8/20 μ s Max residual voltage 8/20 μ s, 5 kA: 4.57 kV Max residual voltage 8/20 μ s, 10 kA: 4.76 kV Class: DC-B (EN 50526-1)
Use approved for:	Installation in the Sydney Trains 1500 V dc network, typically installed on 1500 V IRCS, 1500 V metal enclosed switchgear – feeder panels, 1500 V sectioning switches, 1500 V feeder termination arrangements.
Conditions of approval:	N/A
Limitations:	Approved for conditions as defined by class DC-B of EN 50526-1
Notes / Comments:	<ol style="list-style-type: none"> Not approved for use on traction substation or sectioning hut 1500V dc positive busbars. Certain equipment such as 1500 V harmonic filter and REC have 1500 V surge arresters as specified by the manufacturer of the equipment. This type approval is not applicable to rolling stock.

Approval

ASA Lead Engineer:	Chris Lilly, Asset Standards Authority
Position:	A / Lead Electrical Engineer
Contact details:	chris.lilly@transport.nsw.gov.au
Signature:	
Date:	23 rd May 2018

Independent safety assessor:	N/A
Position:	
Contact details:	
Signature:	
Date:	