

Product Type Approval Certificate

Restricted

This certificate is issued to:

Supplier name and	Schneider Electric	
address:	78 Waterloo Road, Macquarie Park, New South Wales 2113	

In respect of:

Product description:	11 kV, 500 kVAr, C-type, harmonic filter for use in traction applications to reduce the level of AC harmonics generated to acceptable limits.
	The harmonic filter is manufactured in accordance with the Sydney Trains, Gosford South Substation harmonic filter specification ER0914, Revision 1.0
Manufacturer:	Main and auxiliary capacitor bank – Rectiphase (a Schneider company) Reactor – Alstom Grid Energia Ltd Damping resistor – Metal Deploye Resistor
Use approved for:	Use on the heavy rail 11 kV network.
Conditions of approval:	For use at Gosford South Traction Substation. The harmonic filter protection requirements are in accordance with the approved protection concept design. Reference drawings (Gosford South Traction Substation) EL 0674688 to EL 0674705 (inclusive).
Limitations:	Future procurement of this 11kV harmonic filter would require engineering assurance for compliance with the Sydney Trains harmonic filter specification specific to the location and consultation with the Director Energy Network & Systems, AMB.

Evaluating rail transport operator

Name:	Mo Mansour
Position:	A/Director Energy Networks & Systems, Asset Management Branch, Transport for NSW
Signature:	Mo Mansour
Date:	8 th February, 2023

Product approval pack reference number (objective): qT690902