

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

**Certificate No. S 03-2203-206**

**Approval date** 18/04/17  
**Approved by** GM Technical Standards  
**Report no.** TAC 03-2203-AC206  
**Report date** 6 April 2017

*This certificate is issued to*

**Supplier** AMP Control Pty Ltd  
 7 Billbrooke Close  
 Cameron Park NSW 2285

*In respect of*

**Manufacturer** AMP Control Pty Ltd  
**Product description** IMAC Telemetry System  

- IMAC Controller
- IMAC2 Controller
- End of Line (EOL) Module
- DI8 Input module
- RO4 Output Module

**Item identification** Refer to Approved Item List in Table 1  
**Application** ARTC Network Wide  
**Relevant Standards** SPS 02 Environmental Conditions  
 SPS 05 Electrical & Electronic Components (Ratings & Construction Requirements)  
 SS 02 13 01 00 Telemetry Service Schedules

### Conditions of Approval

<b>General</b>	1. Due the specified operating temperature range (0°C to 50°C), with new installations the units are not to be installed in steel or aluminum location cupboards unless the cupboards are double skinned or a sun shelter is installed.
	2. The IMAC2 controller has a higher operating temperature (0 to 60°C) and also has additional features and shall be used for all new installations. In addition, where a failed controller is installed in a steel or aluminium cupboard and it is not double skinned or having a shade structure, the controller shall be replaced with an IMAC2.
	3. The IMAC system is approved for non-vital signalling indications and not for vital signalling control functions.

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	<p>4. There are no field serviceable components within the units, any failed units shall be replaced. Units shall only be repaired by AMP Control Pty Ltd.</p> <p>5. The supplier or manufacturer must advise ARTC of any changes made to the product or system which may alter its identification, performance characteristics, form, fit, function or processes required for correct usage so that this approval can be revised or reviewed.</p>
<b>Supplier</b>	<p>6. A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS19001:2003.</p> <p>7. Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid updated certificate.</p>

**Note/Comments**                      NIL.

**Issue date** 18/04/17

**Expiry date**    N/A

**Issued by**



**John Furness**  
**ARTC Manager Standards**

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**Table 1 - Approved Item List – PBIH DC/DC Converters**

The following lists the individual components of the IMAC system manufactured by AMP Control Pty Ltd which are type approved for use in signalling installations on ARTC infrastructure under Type Approval Certificate **S 03-2203-206** subject only to any conditions shown on that Certificate and the Conditions of Use shown against individual types.

Part Number	Product Description	Conditions of Use
120964	IMAC Controller	Existing installations
171571	IMAC2 Controller	To be used for upgrades or new installations
121905	End of Line (EOL) Module	Nil
101495	D18 Input Module	Nil
101498	RO4 Output Module	Nil