

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

| | |
|----------------|---|
| General | 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> |
| Supplier | <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 |