

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

**Certificate No. S 05-1608-PB190**

**Approval date** 18/10/2016  
**Approved by** GM Technical Standards  
**Report no.** TAR-05-1608-PB190  
**Report date** 16/08/2016

*This certificate is issued to*

**Supplier** Aldridge  
44 Adderley Street East  
Lidcombe, NSW 2141

*In respect of*

**Manufacturer** Potter & Brumfield  
**Product description** KUMP Series Panel Plug-in Relay  
**Item identification** Refer to Approved Item List.  
**Application** ARTC Network Wide

### Relevant Standards

### Conditions of Approval

1. Only the approved equipment in the attached list may be used – refer to any comments within the conditions of approval section
2. The relay shall be documented on signalling circuits by approved competent signal designers with the designs approved in accordance with ARTC standards.
3. Replacement of Panasonic HG2 relays with the Potter & Brumfield – KUMP Series relays shall only be undertaken with a signalling circuit drawing showing the new relay and contact numbers.
4. No repair or replacement of internal components shall be undertaken except by an authorised repairer.

*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 AS 19011.*

*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.*

**Note/Comments** NIL.

**Issue date**

**Expiry date**



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Issued by

John Furness

A handwritten signature in black ink, appearing to read 'John Furness', written over the printed name.

ARTC Manager Standards

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### Approved Item List – Potter & Brumfield – KUMP Series Panel Plug-in Relay

Catalogue No.	Type Description	Revision	Conditions of Use
<b>S-05-1608-PB190</b>			
<b>Relay</b>			
KUMP-11D18-12	12VDC (CO) Relay with 15A Contactors	-	To be used for Level Crossing Test Cut Off Relay
KUMP-7D18-12	12VDC (NO) Relay with 15A Contactors	-	-
KUMP-7D18-24	24VDC (NO) Relay with 15A Contactors	-	-
KUMP-7D18-48	48VDC (NO) Relay with 15A Contactors	-	-
KUMP-8D18-12	12VDC (NC) Relay with 15A Contactors	-	-
KUMP-8D18-24	24VDC (NC) Relay with 15A Contactors	-	-
KUMP-8D18-48	48VDC (NC) Relay with 15A Contactors	-	-
KUMP-7A18-120	120VAC (NO) Relay with 15A Contactors	-	-
KUMP-8A18-120	120VAC (NC) Relay with 15A Contactors	-	-
<b>Base</b>			
27E121	Base	-	-