



## AUSTRALIAN RAIL TRACK CORPORATION

INFRASTRUCTURE, STRATEGY AND PERFORMANCE

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### Engineering Standards and Documents

The following recommendation, together with attached supporting documentation, has been considered by the Manager Standards & Systems on 6<sup>th</sup> March 2007.

#### *Documents:*

Ref No:	08-08-10-055 Equipment Type Approval
Subject:	"Idec-Izumi" Non-vital Plug-in 'octal' Relays
Dated:	8 <sup>th</sup> February 2007.

Prepared By: Arthur Haberlin, Signalling Engineer

Endorsed by: Trevor Moore, Signalling Standards Engineer

#### *Items Considered for Approval:*

Manufacturer:	Idec Izumi
Product:	Non-vital relays and bases
Item Identification:	See item list Ref No: 08-0701-041a

The items in the form presented at the review date were approved for System & Equipment Approval to be used on all ARTC jurisdictions in accordance with the manufacturers published performance criteria and subject to the following.

#### *Relevant ARTC Specifications:*

Ref. No.	Title	Status	Date
SPS 02	Environmental Conditions	Issue 1 Revision 2	May '05
SCP 05	Electrical & Electronic Components (Ratings & Construction Requirements)	Issue 1 Revision 3	May '05
SC 02 01	Installation of Equipment Racks & Termination of Cables and Wiring	Issue 1 Revision 3	October '06

### *Specific Conditions of Approval:*

- i. For use in accordance with standard typical circuits and/or in ARTC specified power supply equipment only.
- ii. Only components from the list **08-0701-041a** may be utilised.
- iii. These relays and bases may be combined with the equivalent type approved relays and bases from other manufacturers.
- iv. Manufacturers current, voltage and environmental specifications shall exceed the relevant ARTC specification limits for the service and location in which the relays are to be installed

### *Certificate Issued to:*

IDEC Australia  
Unit 2  
3 Macro Court  
Rowville  
Victoria 3178

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 19011:2003.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval.

Approved for use in the ARTC.



John Cowie  
Manager Standards & Systems

**APPROVAL No: 08-08-10-055**

Approval Date: **6th March 2007**



**AUSTRALIAN RAIL TRACK CORPORATION LTD**

Ref No: 08-0701-041a

Date: 6<sup>th</sup> February 2007

**System & Equipment Approval**

**Subject: 'Idec-Izumi' Non-vital plug in 'octal' relays**

The following lists the individual types (by catalogue number) of Non-Vital plug in 'octal' relays manufactured by Idec-Izumi and distributed by Idec Australia which are approved for use in signalling circuits on ARTC infrastructure under System & Equipment Approval Certificate 08-08-10-055 subject only to any conditions shown on that Certificate and the Conditions of Use shown against individual types.

Catalogue No.	Coil voltage	Description	Conditions of Use	
RR2P-U ♣	DC48V	2 pole c/o 8 pin plug.		
RR3P-U ♣	DC12V	3 pole c/o 11 pin plug.	Note:- An alternative contact configuration (Catalogue No. RR3PA-U) is available which can be plugged into the same base. Since the alternate contact wiring could conflict with the existing circuits care should be taken to ensure that relays to the alternate configuration are NOT used anywhere in signalling equipment housings.	
RR3P-U ♣	DC24V	3 pole c/o 11 pin plug.		
RR3P-U ♣	DC48V	3 pole c/o 11 pin plug.		
RR3P-U ♣	DC110V	3 pole c/o 11 pin plug.		
RR3P-U ♣	AC24V	3 pole c/o 11 pin plug.		
RR3P-U ♣	AC48V	3 pole c/o 11 pin plug.		
RR3P-U ♣	AC120V	3 pole c/o 11 pin plug.		
RR3P-U ♣	AC240V	3 pole c/o 11 pin plug.		
Bases & Clips				
SR2P-05C	n/a	8 pin base.		DIN rail mounting.
SR3P-05C		11 pin base.		
SR2P-51	n/a	8 pin base.	Panel mounting.	
SR3P-51		11 pin base.		
SR2B-02F1	n/a	Retaining clip.	For SR2P-05C base.	
SR3B-01F1		Retaining clip.	For SR2P-51 or SR3P-51 base.	
SR3B-02F1		Retaining clip.	For SR3P-05C base.	

♣ Ordering code must include Catalogue No. and Coil voltage.