

Certificate of Acceptance

PA05/07057

Manufacturer:
Rail Signalling and Power Ltd

Issue : 1
Valid From : 30/11/2018

Pre-Wired Plugs & Receptacles for Signalling Purposes – SSL Modular Signalling except EtN

Product Description

This certificate covers Pre-Wired Plugs & Receptacles for Signalling Equipment. These are manufactured using Signalling Wire that has previously been approved (under separate certification) and MIL5015 style Plug Couplers.

They are used in Pre-Wired Boxes and Equipment Housings e.g. REBs & Locations Cases.

Product Image



Scope of Acceptance

Full Acceptance

Where the scope is limited to:

- Wired Plugs & Receptacles defined in this certificate.

This range to be used in association with SSL's Modular Signalling Projects (except Ely to Norwich [EtN]).

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Tom Riley
Product Acceptance Co-ordinator



Jerry Morling
Professional Head of Signalling

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section.

Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) Shall only manufacture these Wired Plugs & Receptacles at their factory in Plymouth.
- 2) Shall provide copies of unique traceable Certificates of Conformance with each configuration item.

Signalling Contractor

- 1) Shall provide copies of briefing notes and an appropriate level of training to users of the Wired Plugs & Receptacles.
- 2) Shall provide copies of O&M manuals (covering installation, maintenance, testing and tool list) to purchasers & users of the Wired Plugs & Receptacles;
- 3) Shall provide copies of unique traceable Certificates of Conformance with each configuration item to the maintainer;
- 4) Ensure that the Wired Plugs & Receptacles are installed correctly and tested before the signalling system is commissioned.
- 5) Ensure that Wired Plugs & Receptacles are secured in place and positioned to avoid maintenance hazards.

Users: Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Ensure that installation and maintenance is only performed by personnel that have completed the appropriate training course;
- 2) Ensure that removal and replacement of equipment is in accordance with the O&M manuals;

Product Configuration

Table 1 Panel Mounted Plugs & Receptacles

Ref	Network Rail Part No.	Description	PADS No.	Cert issue
1	SE-SK 503/05 Rev B	NR P&P, Rear Panel Mounted Receptacle, 2 Wire Black BS6231 Type CK 2.5mmsq 2.0m long, with MIL5015 Receptacle (M) to Free End	0006/166255	1
4	SE-SK 1210/05 Rev A	NR P&P, Rear Panel Mounted Receptacle, A4 2+s Cable 2.5sqmm Blue White Screen 2.0m long, with MIL5015 Receptacle (F) to Free End	0006/166256	1
5	SE-SK 1210/15 Rev A	NR P&P, Rear Panel Mounted Receptacle, A4 2+s Cable 0.75sqmm Blue White Screen 2.0m long, with MIL5015 Receptacle (F) to Free End	0006/166257	1
6	SE-SK 0510/03 Rev B	NR P&P, Front Panel Mounted Plug, 4 Wire Black BS6231 Type CK 2.5mmsq 1.0m long, with MIL5015 Plug (F) to Free End	0006/166258	1

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Ref	Network Rail Part No.	Description	PADS No.	Cert issue
7	SE-SK 0511/03 Rev B	NR P&P, Front Panel Mounted Plug, 4 Wire Black BS6231 Type CK 2.5mmsq 1.0m long, with MIL5015 Plug (M) to Free End	0006/166259	1
8	SE-SK 0521/03 Rev B	NR P&P, Front Panel Mounted Plug, 10 Wire Black BS6231 Type CK 2.5mmsq 1.0m long, with MIL5015 Plug (M) to Free End	0006/166260	1
9	SE-SK 0528/03 Rev B	NR P&P, Rear Panel Mounted Receptacle, 12 Wire White DEF STAN 61-12 Pt6 Type 3 0.75mmsq 2.0m long, with MIL5015 Receptacle (M) to Free End	0006/166261	1
10	SE-SK 0536/03 Rev B	NR P&P, Front Panel Mounted Plug, 19 Wire Black BS6231 Type CK 2.5mmsq 1.0m long, with MIL5015 Plug (M) to Free End	0006/166262	1
11	SE-SK 0543/05 Rev B	NR P&P, Rear Panel Mounted Receptacle, 27 Wire White DEF STAN 61-12 Pt6 Type 3 0.75mmsq 2.0m long, with MIL5015 Receptacle (M) to Free End	0006/166263	1
12	SE-SK 0558/03 Rev B	NR P&P, Rear Panel Mounted Receptacle, 2 Wire Black BS6231 Type CK 2.5mmsq 1.0m long, with MIL5015 Receptacle (M) with Size 8 Contacts to Free End	0006/166264	1
13	SE-SK 0967/03 Rev B	NR P&P, Front Panel Mounted Plug, 2 Wire Black BS6231 CK, 2.5mmsq, 0.5m long, with Free Ends to MIL5015 Plug (M)	0006/166265	1

Assessed Documentation

Table A Network Rail Configuration Documents

Ref	Network Rail Reference	Title	Doc Date	Cert issue
All the SE-SK Drawings listed in Table 1				1

Table B Network Rail Process Documents

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
PA05/06549	Assessed documentation PA folders for PA05/06459 – Plugs and Receptacles	-	20/11/18	1
	To Whom It May Concern.PDF	-	20/11/18	1
	6126RISQSCertificate	-	20/11/18	1
	DCS MERGED PACK	-	20/11/18	1
	Compliance Statement	-	20/11/18	1
	Processes Folder			
	Network Rail SQA Audit 20181030-A-1507-RSP	-	20/11/18	1

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Certificate History

MGB Ltd History on PA05/06459

Issue	Date	Issue History
1	15-10-2015	First issue

Rail Signalling Power Ltd History

Issue	Date	Issue History
1	30-11-2018	Accepted for use for Rail Signalling Power Ltd following liquidation of MGB Ltd (PA05/06459).

Contact Details

Manufacturer

Michael James
Head of Business
Development
Rail Signalling Power Ltd
Michael.james@rsprail.co.uk

Sponsor Modular Signalling

Ken Vine
Professional Head of Level
Crossings Engineering
Network Rail
ken.vine@networkrail.co.uk

Lead Design Reviewer

Phil Jones
Senior Engineer
Network Rail
philip.jones@networkrail.co.uk

Sponsor Plug & Play

Dermot Courtney
Infrastructure Investment
Network Rail
dermot.courtney@networkrail.co.uk

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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Technology Introduction Group. Any alterations made by a different person will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Technology Introduction Group:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Technology Introduction Group at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to the Network Rail Technology Introduction Group.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Technology Introduction Group.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Technology Introduction Group.
- 4) Inform Network Rail Technology Introduction Group in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

- 1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
- 2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:
 - a. All rail vehicle types that have access rights over the area affected by the change
 - b. Infrastructure managed by others
 - c. Neighbours.

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Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.