

Certificate of Acceptance

PA05/06087

Manufacturer:
iLECSYS Rail Ltd.

Issue : 1
Valid From : 30-06-2015

Power Block Classic – Class II FSP Switchgear Assemblies

Product Description

Class II FSP Type 04 Switchgear for replacement of legacy switchgear and new radial feeder configurations serving Signalling Apparatus Housings.

Configuration also includes Class II FSP Switchgear (Type FSP01, FSP02) for use in Class II based Signalling Power Distribution System in accordance with NR/L2/SIGELP/27409 Issue 2 – Product Specification for Functional Supply Points.

Product configuration includes:

- a range of switchgear configurations;
- 2C and 4C connection boxes;
- Installation accessories.

Product Image



Scope of Acceptance

Full Acceptance

Class II FSP Type 01,02 and 04 switchgear assemblies in accordance with NR/L2/SIGELP/27409 Issue 2 – Product Specification for Functional Supply Points; for use in Signalling Power Distribution Systems with radial, manual reconfigurable topology.

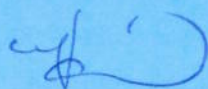
Switchgear type FSP04 suitable for use as a direct replacement for Class I switchgear and for use in radial circuits where asset plans do not exist for enhancements to manually reconfigurable systems.

Suitable for connection with Aluminium cable, where applicable connectors shall be in accordance with NR/L2/SIGELP/27243 - Product Specification for Connectors and joints for Signalling Power Cables

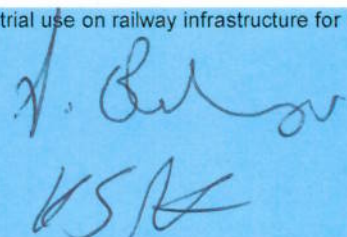
Refer to Manufacturers and Users Conditions for further information and constraints of use.

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.

Authorised by:



Vanessa Cumine
Product Acceptance Specialist



Richard Stainton
Professional Head EP

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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) All Class II '**Power Block Classic**' production units **shall** be tested in accordance with section 9.2 Insulating materials or coatings, of NR/L2/SIGELP/27409 Issue 2 (Class II Dielectric Test). Test records along with photographs of each production unit **shall** be maintained for traceability of Class II tests.
- 2) All Class II '**Power Block Classic**' production units **shall** be inspected and tested in accordance with iLECSYS Rail Ltd product specific Inspection and Test Procedures.
- 3) Test records for Mechanical and Electrical testing of each production unit **shall** be maintained for traceability.
- 4) Each production unit **shall** be individually serial numbered and **shall** be accompanied by a certificate of conformity.

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User

- 1) Units within the Class II '**Power Block Classic**' product range are suitable for use as FSP Switchgear Assemblies in accordance with NR/L2/SIGELP/27409 Issue 2
- 2) Where a Class II '**Power Block Classic**' product is used in a Class I installation, it **shall** be in accordance with NR/L2/SIGELP/27410 Issue 2.
- 3) A Class II installation is satisfied if the Class II '**Power Block Classic**' is installed with other system components in accordance with NR/L2/SIGELP/27410 Issue 2. The use of Class II switchgear alone in a Class I installation does **not** provide full protective measures.
- 4) '**Power Block Classic**' assemblies suitable for use with two core cable in accordance with NR/L2/SIGELP/27408 issue 2 or unarmoured B2/D2 EPR cable in accordance with NR/PS/SIG/00005 or other legacy two core unarmoured cable.
- 5) Cable box accessories suitable for use with two or four core unarmoured cable.
- 6) Integration backplate accessories suitable for mounting assemblies from the '**Power Block Classic**' range of products only.
- 7) Functional circuit protection, feeding transformers **shall** be in accordance with approved transformer manufacturer's recommendations. The use of MCB's, MCCB's or other overcurrent devices in the switchgear assemblies will require a product change request in accordance with Network Rail policy.
- 8) Not to be used in subsurface environments in accordance with section 12 stations and locations.
- 9) The '**Power Block Classic**' assemblies **shall** not be installed in signalling power distribution systems where the upstream protection exceeds a BS 88 63A at AC22 or equivalent protective device.
- 10) '**Power Block Classic**' assemblies suitable for installation in marine/aggressive areas.
- 11) Where Class II '**Power Block Classic**' assemblies are damaged externally and require repair in accordance with Manufacturers O & M manual, such repairs may only be undertaken by the original manufacturer.
- 12) Class II '**Power Block Classic**' assemblies **shall** not be drilled/machined on site. Brass glands (metallic) **shall** only be used in conjunction with a fully insulated, product approved Adapter Reducer, with a dielectric strength exceeding 3.5kV in accordance with NR/L2/SIGELP/27410 Issue 2.
- 13) Class II '**Power Block Classic**' assemblies utilising ABB E90 series IEC 60269 fusecarriers **shall** only be used in conjunction with Signalling Transformers in accordance with NR/L2/SIGELP/30007 Issue 3.
- 14) Aluminium (Al) cabling is permitted for use with Cable Connection Boxes part numbers; FSP-CII/CB/2C-35, FSP-CII/CB/2C-120, FSP-CII/CB/4C-35 and FSP-CII/CB/4C-120 **on condition** that the cable is terminated with an appropriately sized and rated Product Approved Bi-Metallic lug in accordance with NR/L2/SIGELP/27243.
- 15) Mounting Accessory backplate part number FSP/HL-INT/BP200 is only suitable for Switchgear Assemblies and Cable Connection Boxes detailed on this certificate of a 200x200mm footprint. The configuration of this backplate **shall** only be performed by the manufacturer.
- 16) Mounting Accessory backplate part number FSP/HL-INT/BP300 is only suitable for Switchgear Assemblies and Cable Connection Boxes detailed on this certificate of a 200x300mm footprint. The configuration of this backplate **shall** only be performed by the manufacturer.
- 17) FSP switchgear and cable connection boxes **shall** interface with flexible conduits and glands in accordance with NR/L2/SIGELP/27421 and NR/L2/SIGELP/27422.
- 18) Installed terminals within the Class II '**Power Block Classic**' product range are suitable for 2C/4C feeder cables in the range 6 to 120mm² in Al or Cu depending on model selected. 120mm² is the maximum cable cross sectional area **permitted**.

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Product Configuration

Switchgear Assemblies

Part No.	Circuit Diagram Reference	Distribution Switches	Functional Switches	Fuses	Image	Catalogue No.
FSP04/PL-CII/2SW-SL-IEC/95	03-04-359	1	2	4		091/099109
	<p>Power Block Classic 2 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator Two switched and fused output functional supplies Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 8kGs.</p>					
FSP04/PL-CII/1SW-SL-IEC/50	03-04-356	1	1	2		091/099110
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 6-50mm². Approximate Weight 5kGs.</p>					
FSP04/PL-CII/1SW-SL/95	03-04-357	1	1	2		091/099111
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 5kGs.</p>					
FSP04/PL-CII/1SW-SL-IEC/95	01-08-050	1	1	2		091/099112
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 5kGs.</p>					






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FSP04/PL-CII/1SW-SL-IEC/BS	03-04-361	1	1	2		091/099113
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) (Back to back) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Approximate Weight 5kGs. *Feeder Cables via separate termination unit (PADS 091/099114, 091/099115 or 091/099124)</p>					
FSP04/PL-CII/1SW-SL/95/BT	03-04-362	N/A	N/A	N/A		091/099114
	<p>Power Block Termination Unit (200Wx200Hx141Dmm) (Back to back) *Switching via separate unit. (PADS 091/099113, 091/099123 or 091/099128) Class II distribution unit rated to 690V. Front screw on cover. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 4.5kGs.</p>					
FSP04/PL-CII/1SW-SL/120/BT	03-22-384	N/A	N/A	N/A		091/099115
	<p>Power Block Termination Unit (200Wx300Hx141Dmm) (Back to back) *Switching via separate unit. (PADS 091/099113, 091/099123 or 091/099128) Class II distribution unit rated to 690V. Front screw on cover. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 7kGs.</p>					
FSP04/PL-CII/1SW-SL-IEC/120	03-22-385	1	1	2		091/099116
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 8kGs.</p>					
FSP04/PL-CII/2SW-SL-IEC/120	03-22-386	1	2	4		091/099117
	<p>Power Block Classic 2 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator Two switched and fused output functional supplies Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 8kGs.</p>					

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PL-CII/1SW-SL-IEC/95	03-04-360	2	1	2		091/099118
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Ring Power IN and OUT Isolators One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 8kGs.</p>					
PL-CII/1SW-SL-IEC/120	03-22-387	2	1	2		091/099119
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Ring Power IN and OUT Isolators One switched and fused output functional supply Functional supply fusecarriers to be IEC60269 (ABB 10x38mm). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 8kGs.</p>					
FSP04/PL-CII/1SW-SL/120	03-13-387	1	1	2		091/099120
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 8kGs.</p>					
FSP04/PL-CII/1SW-SL/50	03-15-455	1	1	2		091/099121
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 6-50mm². Approximate Weight 5kGs.</p>					
FSP04/PL-CII/2SW-SL/95	04-20-032	1	2	4		091/099122
	<p>Power Block Classic 2 Switch (300Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator Two switched and fused output functional supplies Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 10kGs.</p>					

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FSP04/PL-CII/1SW-SL/BS	04-20-034	1	1	2		091/099123
	<p>Power Block Classic 1 Switch (200Wx200Hx225Dmm) (Back to back) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Approximate Weight 5kGs. *Feeder Cables via separate termination unit (PADS 091/099114, 091/099115 or 091/099124)</p>					
FSP04/PL-CII/1SW-SL/50/BT	04-20-035	N/A	N/A	N/A		091/099124
	<p>Power Block Termination Unit (200Wx200Hx141Dmm) (Back to back) *Switching via separate unit. (PADS 091/099113, 091/099123 or 091/099128) Class II distribution unit rated to 690V. Front screw on cover. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 6-50mm². Approximate Weight 4kGs.</p>					
FSP04/PL-CII/2SW-SL/120	04-20-036	1	2	4		091/099125
	<p>Power Block Classic 2 Switch (300Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Main Power IN/OUT Isolator Two switched and fused output functional supplies Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 10kGs.</p>					
PL-CII/1SW-SL/95	04-20-037	2	1	2		091/099126
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Ring Power IN and OUT Isolators One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 16-95mm². Approximate Weight 8kGs.</p>					
PL-CII/1SW-SL/120	04-20-038	2	1	2		091/099127
	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) Class II distribution unit rated to 690V. Fitted with 63A Ring Power IN and OUT Isolators One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Suitable for Copper (Cu) or Aluminium (Al) Feeder Cables 2C 35-120mm². Approximate Weight 8kGs.</p>					

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	04-20-039	2	1	2		
PL-CII/1SW-SL/BS	<p>Power Block Classic 1 Switch (200Wx300Hx225Dmm) (Back to back)</p> <p>Class II distribution unit rated to 690V. Fitted with 63A Ring Power IN and OUT Isolators One switched and fused output functional supply Functional supply fusecarriers to be BS88-2 (CAMaster). Front cover hinged on Left Hand Side. Approximate Weight 5kGs. *Feeder Cables via separate termination unit (PADS 091/099114, 091/099115 or 091/099124)</p>					091/099128

Cable Connection Boxes



Part No.	Description	Image	Catalogue No.
FSP-CII/CB/50	<p>Power Block Classic, Enhanced range 2C/4C 50mm Connection box (200Wx200Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Tunnel terminals suitable for Copper (Cu) or Aluminium (Al) Cables 2C or 4C 6-50mm². Approximate Weight 5kGs.</p>		091/099129
FSP-CII/CB/120	<p>Power Block Classic, Enhanced range 2C/4C 120mm Connection box (200Wx300Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Tunnel terminals suitable for Copper (Cu) or Aluminium (Al) Cables 2C or 4C 35-120mm². Approximate Weight 7kGs.</p>		091/099130
FSP-CII/CB/2C-35	<p>Power Block Classic, Enhanced range 2C 35mm Connection box for lugged cable (200Wx200Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Stud terminals suitable for Copper (Cu) Cables 2C 35mm² Max. Approximate Weight 5kGs.</p>		091/099131
FSP-CII/CB/2C-120	<p>Power Block Classic, Enhanced range 2C 120mm Connection box for lugged cable (200Wx300Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Stud terminals suitable for Copper (Cu) Cables 2C 120mm² Max. Approximate Weight 7kGs.</p>		091/099132

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Part No.	Description	Image	Catalogue No.
FSP-CII/CB/4C-35	<p>Power Block Classic, Enhanced range 4C 35mm Connection box for lugged cable (200Wx200Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Stud terminals suitable for Copper (Cu) Cables 4C 35mm² Max. Approximate Weight 5.5kGs.</p>		091/099133
FSP-CII/CB/4C-120	<p>Power Block Classic, Enhanced range 4C 120mm Connection box for lugged cable (200Wx300Hx132Dmm)</p> <p>Class II connection unit with a removable gland plate pre-machined with a M63 tapped entry hole. Fitted with Stud terminals suitable for Copper (Cu) Cables 4C 120mm² Max. Approximate Weight 7.5kGs.</p>		091/099134


Mounting Accessories

Part No.	Description	Image	Catalogue No.
FSP/HL-INT/BP200	<p>Power Block Classic, Enhanced range Integration Back Plate</p> <p>Nylon coated steel backplate to facilitate the mounting of Switchgear Assemblies and Cable Connection Boxes of a 200x200mm footprint into a standards Half Width product approved Apparatus Housing. 1 x 200x200mm unit mounted centrally or, 2 x 200x200mm units side by side.</p>		091/099135
FSP/HL-INT/BP300	<p>Power Block Classic, Enhanced range Integration Back Plate</p> <p>Nylon coated steel backplate to facilitate the mounting of Switchgear Assemblies and Cable Connection Boxes of a 200x300mm footprint into a standards Half Width product approved Apparatus Housing. 1 x 200x300mm unit mounted centrally or, 2 x 200x300mm units side by side.</p>		091/099136

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Installation Accessories

Part No.	Description	Image	Catalogue No.
ILD1130	<p><u>Installation Toolkit in 524x428x206mm Carrying Case</u></p> <p>Consisting of:</p> <ul style="list-style-type: none"> • Torque Wrench 10-80nM • 6mm-AF-AK-Socket Allen Key • 8mm-AF-AK-Socket Allen Key • 250mm AK Extension Bar • Conduit Cutter for Non Metallic Conduit up to 67mm O/D • Ratchet Tool for Red, Blue, Yellow Crimps • 4mm Allen Key • 5mm Allen Key • Lock Box with 100 x M6 Blue Ring Terminals • Lock Box with 100 x Insulated Hook Blades • Lock Box with 20 x M8 Stainless Steel Spring Channel Nuts • Lock Box with 20 x M6 Stainless Steel Spring Channel Nuts • Lock Box with 50 x M6 Stainless Steel Oversize Washers • Lock Box with 50 x M8 Stainless Steel Oversize Washers • Lock Box with 50 x M6 x 20mm Stainless Steel Socket Buttonhead Screws • Lock Box with 50 x M8 x 20mm Stainless Steel Socket ButtonHead Screws • Lock Box with 20 x 41mm Square Stainless Steel Washers • Thread Lock Compound • Releasable cable ties 		091/099137

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Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
04 – Power Block Classic Product	Product Configuration – System or Complete Assembly	-	30-06-2015	1
02 – Covering Letter V1.9	Acceptance Requirements for Railway Infrastructure Products and Systems	V1.9	30-06-2015	1
01 – Compliance Matrix PA05_06087 v1.1	Power Block Classic	V1.1	30-06-2015	1
Annexe A	Certification	-	30-06-2015	1
Annexe B	Components	-	30-06-2015	1
Annexe C	Reports	-	30-06-2015	1
Annexe D	Supporting Documents	-	30-06-2015	1
Annexe E	Drawings	-	30-06-2015	1
Annexe F	O & M Manual	-	30-06-2015	1
Images	Product Images	-	30-06-2015	1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
OM Manual ILS100047 (IEC) v1.1	Class II Micro FSP Power Block Operating and Maintenance Manual (IEC Fusecarrier Variants)	V1.1	30/06/2015	1
OM Manual ILS100047 (Connection box) v1.0	Micro FSP Class II Connection Boxes Operating and Maintenance Manual (Class II Connection box variants).	V1.0	30/06/2015	1
OM Manual ILS100047 (ICAMaster) v1.1	Class II Micro FSP Power Block Operating and Maintenance Manual (CAMaster Fusecarrier Variants)	V1.1	30/06/2015	1

Certificate History

Issue	Date	Issue History
1	30-06-2015	First accepted for use

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Contact Details

Manufacturer

Peter J Dickson (Engineering Manager)

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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.

Manufacturer:
iLECSYS Rail Ltd.

Issue : 1
Valid From : 30-06-2015

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.

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