

Document Owner: Power and Data Corporation Licensing Pty Ltd

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This Declaration is made on the basis of the information contained in the Mainline System Technical Construction File and Results of Independent Test Reports.

1 Supplier:

Power and Data Corporation Licensing Pty Ltd
Level 4, 364 Kent Street
Sydney, NSW 2000, Australia

2 Product:

- 2.1 Mainline power distribution system
- 2.2 The Mainline system is a wall mounted powertrack system
- 2.3 Access to power along the powertrack system is facilitated by adding tap-off units also known as an Adaptor
- 2.4 Connection and reconnection to the track is facilitated by tap-off unit contacts engaging within the conductors of the powertrack.

3 Product Specification - Mainline Track System:

- 3.1 Single phase wall mounted power track system
- 3.2 Tap-off unit contacts engaged within the system of stamped copper busbars fitted into a thermoplastic track housing.
- 3.3 Tap-off unit can be connected and disconnected when system is energised and with load connected
- 3.4 Conductor Material: ETP copper
- 3.5 Rated Voltage: Up to 250V a.c. single phase 50-60Hz
- 3.6 Rated Continuous Current of Track Conductors at 20°C: Up to 32 Amps a.c.
- 3.7 Allowable Ambient Temperature at Max Allowable Current: Allowable ambient temperature at max allowable current (32A) is -5°C to + 40°C, with the average value over a 24 hour period not exceeding 35°C.
- 3.8 Maximum Relative Humidity: 0 to 93% relative humidity, non-condensing
- 3.9 Conductor Resistance R20 (20°C): >21mΩ/per metre (required: <50 mΩ/per metre)
- 3.10 Insulation Resistance at 500V d.c. for 1 Minute: >2MΩ
- 3.11 Tap-off and Track conductors contact resistance: >8mΩ (required: <50 mΩ)
- 3.12 Dielectric Strength: 3.5kV a.c.
- 3.13 Impulse Strength: 4kV a.c. at 1.2/50 μ seconds
- 3.14 Flammability: Self extinguishing (in accordance with IEC60695-2-11, clause 19.2).
- 3.15 Track Material: High impact rigid PVC compound
- 3.16 IP Designation: IP 2XD
- 3.17 Pollution Degree: 2 (Non-conductive pollution with temporary conductivity caused by condensation).
- 3.18 Product Environment for use: Indoor, or enclosed cabinets outdoors with a minimum degree of protection of IP54 (in accordance with IEC60529).


4 Product Specification - Mainline Track System:

Mainline Track System Conformity to International and National standards

Product conforms to: EU directive and harmonized standards

- 4.1 Low Voltage Directive (LVD) 2006/95/EC
- 4.2 IEC EN 61534-1: 2003
Powertrack Systems - Part 1: General requirements
(AU Approval no. CS8775N/3)
- 4.3 IEC EN 61534-21: 2006
Powertrack systems - Part 21: Particular requirements for Power track systems intended for wall and ceiling mounting.
- 4.4 IEC EN 60999-1: 2000
Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless - type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm² up to 35 mm² (incl.)
- 4.5 IEC 60439-2: 2000
Low-voltage switchgear and controlgear assemblies - Part 2: Particular requirements for busbar trunking systems (busways).

5 Product Specification - Mainline In-line Terminal Blocks Left and Right:

- 5.1 Rated voltage: Up to 250V a.c. single phase 50-60Hz
- 5.2 Rated current: Up to 32 Amps a.c.
- 5.3 Type of external wire: Rigid (Solid or Stranded)
- 5.4 Rated connecting capacity: Up to 4mm²
- 5.5 Number of wires connected to single terminal (fixed wiring): Maximum 2 x 2.5mm² or 1 x 4mm²
- 5.6 Markings: L, N, 

6 Product Specification - Mainline Socket Outlets on Adaptors:

Mainline Socket Outlets on Adaptors (Tap-off Units) conformity to International and National standards. This declaration is made on the basis of the information contained in the Mainline System Technical Construction File and results of independent Test Reports.

Socket Outlets on Adaptors (Sections 7 -12):

7 MLA1 Australian type socket outlet: 10A, 250V a.c.

- 7.1 AS/NZS 3112: 2004 + A1
Approval and test specification - Plugs and socket-outlets
(AU Approval no. NSW22255/3)
- 7.2 AS/NZS 3100: 2002 + A1, A2, A3
Approval and test specification - General requirements for electrical equipment

8 MLA2 UK type socket outlet: 13A, 250V a.c.

- 8.1 BS 1363-2: 1995 + A1 + A2
13 A plugs, socket-outlets, adaptors and connection units
Specification for 13 A switched and unswitched socket-outlets
- 8.2 BS 5733: 1995 + A1
Specification for general requirements for electrical accessories
- 8.3 UAE S / IEC 60884-1: 2002
Plugs and socket outlets for household and similar purposes - Part 1: General requirements

9 MLP2 UK type socket outlet: 13A, 250V a.c.

- 9.1 BS 1363-3: 1995 + A1 + A2
13 A plugs, socket-outlets, adaptors and connection units
Specification for 13 A switched and unswitched socket-outlets
- 9.2 BS 5733: 2010
Specification for general requirements for electrical accessories
- 9.3 UAE S / IEC 60884-1: 1994
Plugs and socket outlets for household and similar purposes - Part 1: General requirements
- 9.4 UAE S / IEC 60884-2-5: 1995
Plugs and socket outlets for household and similar purposes - Part 2: Particular requirements for adaptors

10 MLP3 Schuko / German type socket outlet: 16A, 250V a.c.

- 10.1 CB (Certification Bodies Scheme / Scheme of Mutual Recognition) Certificate No. SE-66623
- 10.2 IEC 60884-1: 2002 (Third Edition) + A1:2006 (IEC Norm)
- 10.3 DIN VDE 0620-1: 2010-02 (Germany)
- 10.4 IEC 60884-1: 2006-07 (Edition 3.1) According to ÖVE/ÖNORM E 8684-1:2010-03-01 (Austria)
- 10.5 SFS 5610: 2004 + A1:2008 (Finland)
- 10.6 NEK 502: 2006 + NEK IEC 60884-1:2002 (Norway)
- 10.7 SS 428 08 34: 2004 (Sweden)
- 10.8 NEN 1020, 4th edition: 1987 + A2: 2004 (The Netherlands)
- 10.9 UNE 20315-1-1 & UNE 20315-1-2: 2009 (Spain)
- 10.10 NP1260: 2010 (Portugal)

11 MLP4 French type socket outlet: 16A, 250V a.c.

- 11.1 CB (Certification Bodies Scheme / Scheme of Mutual Recognition) Certificate No. SE-66624
- 11.2 IEC 60884-1: 2002 (Third Edition) + A1: 2006 (IEC Norm)
- 11.3 NF C 61-314: 2008 + A1: 2010 (France)
- 11.4 Afsnit 107-2-D1 edition 5: 2008 (Denmark)
- 11.5 NBN C 61-112-1: 2010 (Belgium)

12 MLA5 South African / Indian type socket outlet: 16A, 250V a.c.

- 12.1 IEC 60884-1: 2002 (SANS 60884-1/ SABS IEC60884-1)
Plugs and socket-outlets for household and similar purposes Part 1: General requirements
- 12.2 IEC 60884-2-5: 1995 (SANS 60884-2-5/ SABS IEC 60884-2-5)
Plugs and socket-outlets for household and similar purposes Part 2: Particular requirements for adaptors.
- 12.3 SABS 164-1 (SANS 164-1): 1997
Plugs and socket-outlets for household and similar purposes - National modifications of international requirements Part 1: Conventional systems.

13 CE Mark:

- 13.1 Declaration Year: 09
- 13.2 Status: 3
Third party tested to a relevant EN/IEC standard by a recognised body (i.e. UKAS or equivalent ISO17025/ISO guide 25 laboratory or an EU Notified Body operating such a laboratory). Supplied with supporting reports or certificates (including conditions of use/acceptability, where appropriate). CE marked.