

Test Report issued under the responsibility of:



TEST REPORT
IEC 60204-1
Safety of machinery - Electrical equipment of machines
Part 1: General requirements

Report reference No.: T211-0071/17

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CB Testing Laboratory: SIQ Ljubljana

Address: Tržaška cesta 2, SI-1000 Ljubljana, Slovenia

Applicant's name: Traco Power Solutions Ltd.

Address: Whitemill Industrial Estate Wexford, White Mill Road, Y35 YH66,
Ireland

Test specification:

Standard: IEC 60204-1 (Fifth Edition) + A1:2008

Test procedure: Type test

Non-standard test method: N/A

Test Report Form No: IEC60204_1A

Test Report Form(s) Originator: Electrosuisse

Master TRF: Dated 2009-11

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Test item description: DIN rail power supply

Trade Mark: TRACO POWER

Manufacturer: Traco Power Solutions Ltd.
Whitemill Industrial Estate Wexford, White Mill Road, Y35 YH66,
Ireland

Model/Type reference

TRACO POWER
Model referenceManufacturer
Model reference

TBLC06-105

006ECO181

TBLC06-112

006ECO182

TBLC06-124

006ECO184

TBLC15-105

015ECO181

TBLC15-112

015ECO182

TBLC15-124

015ECO184

TBLC25-105

025ECO181

TBLC25-112

025ECO182

TBLC25-124

025ECO184

TBLC50-112

050ECO182

TBLC50-124

050ECO184

TBLC75-112

075ECO182

TBLC75-124

075ECO184

TBLC90-112

090ECO182

TBLC90-124

090ECO184

Each model may be followed by suffix "xx" where each "x" can be 'a-z' or '-0-9' for traceability only, no impact on safety"

Ratings

Input:

TBLC06-105: 100-240 Vac; 0,15 A; 6 W; 50/60 Hz

TBLC06-112: 100-240 Vac; 0,14 A; 6 W; 50/60 Hz

TBLC06-124: 100-240 Vac; 0,15 A; 6 W; 50/60 Hz

TBLC15-105: 100-240 Vac; 0,3 A; 12 W; 50/60 Hz

TBLC15-112: 100-240 Vac; 0,33 A; 15 W; 50/60 Hz

TBLC15-124: 100-240 Vac; 0,35 A; 15 W; 50/60 Hz

TBLC25-105: 100-240 Vac; 0,5 A; 20 W; 50-60 Hz

TBLC25-112: 100-240 Vac; 0,6 A; 24 W; 50/60 Hz

TBLC25-124: 100-240 Vac; 0,55 A; 25 W; 50/60 Hz

TBLC50-112: 100-240 Vac; 1,1 A; 48 W; 50/60 Hz

TBLC50-124: 100-240 Vac; 1,1 A; 50 W; 50/60 Hz

TBLC75-112: 100-240 Vac; 1,8 A; 72 W; 50/60 Hz

TBLC75-124: 100-240 Vac; 1,8 A; 75 W; 50/60 Hz

TBLC90-112: 100-240 Vac; 2,1 A; 90 W; 50/60 Hz

TBLC90-124: 100-240 Vac; 2,1 A; 90 W; 50/60 Hz

Output:

TBLC06-105: 5 Vdc; 1,2 A; 6 W

TBLC06-112: 12 Vdc; 0,5 A; 6 W

TBLC06-124: 24 Vdc; 0,25 A; 6 W

TBLC15-105: 5 Vdc; 2,4 A; 12 W

TBLC15-112: 12 Vdc; 1,25 A; 15 W

TBLC15-124: 24 Vdc; 0,63 A; 15 W

TBLC25-105: 5 Vdc; 4 A; 20 W

TBLC25-112: 12 Vdc; 2 A; 24 W

TBLC25-124: 24 Vdc; 1,05 A; 25 W

TBLC50-112: 12 Vdc; 4 A; 48 W



TBLC50-124: 24 Vdc; 2,1 A; 50 W

TBLC75-112: 12 Vdc; 6,0 A; 72 W

TBLC75-124: 24 Vdc; 3,1 A; 75 W

TBLC90-112: 12 Vdc; 7,5 A; 90 W

TBLC90-124: 24 Vdc; 3,75 A; 90 W

Testing procedure and testing location:	
<input type="checkbox"/> CB Testing Laboratory: Testing location/ address :	
<input checked="" type="checkbox"/> Test Laboratory: Testing location/ address : Tested by (name + signature) : Approved by (+ signature)..... :	SIQ Ljubljana <i>Testing Laboratory is accredited by Slovenian Accreditation, Reg. No.: LP-009</i> Tržaška cesta 2, SI-1000 Ljubljana, Slovenia Anton Možina  Miha Otrin 
<input type="checkbox"/> Testing procedure: TMP Tested by (name + signature) : Approved by (+ signature)..... : Testing location/ address :	
<input type="checkbox"/> Testing procedure: WMT Tested by (name + signature) : Witnessed by (+ signature) : Approved by (+ signature)..... : Testing location/ address :	
<input type="checkbox"/> Testing procedure: SMT Tested by (name + signature) : Approved by (+ signature)..... : Supervised by (+ signature) : Testing location/ address :	
<input type="checkbox"/> Testing procedure: RMT Tested by (name + signature) : Approved by (+ signature)..... : Supervised by (+ signature) : Testing location/ address :	

Summary of testing:

Tested product complies with the requirements of stated standards. The test results relate only to the items tested.

Tests performed (name of test and test clause):

This test report shall be used in conjunction with T223-0534/16.

Testing location:

SIQ Ljubljana, Tržaška c. 2, SI-1000 Ljubljana, Slovenia

Summary of compliance with National Differences:

European group differences and national differences.

- ☒ The product fulfils the requirements of:
- IEC 60204-1 (Fifth Edition) + A1:2008
 - EN 60204-1:2006 + A1:2009

Copy of marking plates (examples):

<p>TBLC06-105</p> <p>Output 5 VDC 1.2 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 06-105 Power Supply 6 W</p> <p>Input 100-240 VAC 50/60 Hz 0.15-0.09 A</p>	<p>TBLC06-112</p> <p>Output 12 VDC 0.5 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 06-112 Power Supply 6 W</p> <p>Input 100-240 VAC 50/60 Hz 0.14-0.08 A</p>	<p>TBLC06-124</p> <p>Output 24 VDC 0.25 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 06-124 Power Supply 6 W</p> <p>Input 100-240 VAC 50/60 Hz 0.15-0.08 A</p>
<p>TBLC15-105</p> <p>Output 5 VDC 2.4 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 15-105 Power Supply 12 W</p> <p>Input 100-240 VAC, 50/60 Hz 0.3-0.17 A</p>	<p>TBLC15-112</p> <p>Output 12 VDC 1.25 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 15-112 Power Supply 15 W</p> <p>Input 100-240 VAC, 50/60 Hz 0.33-0.18 A</p>	<p>TBLC15-124</p> <p>Output 24 VDC 0.63 A</p> <p>DC ON</p> <p>TRACO POWER</p> <p>TBLC 15-124 Power Supply 15 W</p> <p>Input 100-240 VAC, 50/60 Hz 0.35-0.2 A</p>

<div><div><div>Output 5VDC 4A</div><div>DC ON</div></div><div><div>TRACO POWER</div><div>TBLC 25-105 Power Supply 20 W</div><div>Input 100-240 VAC, 50/60 Hz 0.5-0.27 A</div></div></div>	<div><div><div>Output 12 VDC 2A</div><div>DC ON</div></div><div><div>TRACO POWER</div><div>TBLC 25-112 Power Supply 24 W</div><div>Input 100-240 VAC, 50/60 Hz 0.6-0.33 A</div></div></div>	<div><div><div>Output 24 VDC 1.05 A</div><div>DC ON</div></div><div><div>TRACO POWER</div><div>TBLC 25-124 Power Supply 25 W</div><div>Input 100-240 VAC, 50/60 Hz 0.55-0.3 A</div></div></div>
<div><div><div>Output 12 VDC 4 A</div><div>DC ON</div></div><div><div>TRACO POWER</div><div>TBLC 50-112 Power Supply 48 W</div><div>Input 100-240 VAC, 1.1-0.6 A 50/60 Hz</div></div></div>	<div><div><div>Output 24 VDC 2.1 A</div><div>DC ON</div></div><div><div>TRACO POWER</div><div>TBLC 50-124 Power Supply 50 W</div><div>Input 100-240 VAC, 1.1-0.6 A 50/60 Hz</div></div></div>	
<div><div><div>DC ON</div></div><div><div>TRACO POWER</div><div>Power Supply 72 W</div><div>TBLC 75-112</div><div>Input 100-240 VAC, 50/60 Hz 1.8-1.0 A</div><div>Output 12 VDC 6.0A</div></div></div>	<div><div><div>DC ON</div></div><div><div>TRACO POWER</div><div>Power Supply 75 W</div><div>TBLC 75-124</div><div>Input 100-240 VAC, 50/60 Hz 1.8-1.0 A</div><div>Output 24 VDC 3.1 A</div></div></div>	
<div><div><div>DC ON</div></div><div><div>TRACO POWER</div><div>Power Supply 90 W</div><div>TBLC 90-112</div><div>Input 100-240 VAC, 50/60 Hz 2.1-1.1 A</div><div>Output 12 VDC 7.5 A</div></div></div>	<div><div><div>DC ON</div></div><div><div>TRACO POWER</div><div>Power Supply 90 W</div><div>TBLC 90-124</div><div>Input 100-240 VAC, 50/60 Hz 2.1-1.1 A</div><div>Output 24 VDC 3.75 A</div></div></div>	

Test item particulars	
Classification of installation and use	TN system
Supply Connection	Fixed wiring
.....	
.....	
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	2016-04-01, 2016-04-22, 2016-07-04
Date (s) of performance of tests	From 2015-05-05 to 2016-10-18
General remarks:	
<p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma (point) is used as the decimal separator.</p>	
List of Attachments:	
Attachment 1 – European group differences and national differences.	
Attachment 2 – Appendices	
Attachment 3 – Other documentation	
General product information:	
<p>The equipment is a switching power supply (DIN rail type). The unit is intended for building-in. The EUT contains primary circuit and secondary SELV circuit which does not represent hazardous energy circuit.</p> <p>Units output:</p> <p>TBLC15-105: 5 VDC; 2,4 A; 12 W; TBLC15-112: 12 VDC; 1,25 A; 15 W; TBLC15-124: 24 VDC; 0,63 A; 15 W; TBLC25-105: 5 VDC; 4 A; 20 W; TBLC25-112: 12 VDC; 2 A; 24 W; TBLC25-124: 24 VDC; 1,05 A; 25 W; TBLC50-112: 12 VDC; 4 A; 48 W; TBLC50-124: 24 VDC; 2,1 A; 50W; TBLC75-112: 12 VDC; 6,0 A; 72 W; TBLC75-124: 24 VDC; 3,1 A; 75 W; TBLC90-112: 12 VDC; 7,5 A; 90 W; TBLC90-124: 24 VDC; 3,75 A; 90 W</p> <p>All units are provided with trimmer potentiometer for factory fine output voltage adjustment.</p> <p>For better representation of the assembly, one sample of power supply is presented in the following photo.</p>	