

TDK-Lambda UK Limited
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EU DECLARATION OF CONFORMITY



CUS250M Series

We, TDK Lambda UK Limited, of Kingsley Avenue, Ilfracombe, Devon, EX34 8ES declare under our sole responsibility that the TDK-Lambda power supplies, as detailed on the attached products covered sheets, comply with the provisions of the following European Directives and are eligible to bear the CE mark:

Low Voltage	Directive 2014/35/EU
EMC	Directive 2014/30/EU
RoHS	Directive 2011/65/EU (as amended by 2015/863)

Assurance of conformance of the described product with the provisions of the stated EC Directive is given through compliance to the following standards:

Electrical Safety (LVD)	EN 62368-1:2014/AC:2015
Electromagnetic Compatibility (EMC)	EN 61000-6-3:2007 + A1:2011 EN 61000-6-2:2005 EN 61204-3:2000 EN 55024:2010 EN 55032:2015
Restriction of Hazardous Substances (RoHS)	EN 63000:2018

Our representative in the EU is TDK-Lambda Germany GmbH, located at Karl-Bold-Str. 40, 77855 Achern, Germany.

Note: The EMC performance of a component power supply will be affected by the final installation, compliance to the stated EMC standards and conformance to the EMC Directive must be confirmed after installation by the final equipment manufacturer. For guidance with respect to test conditions please visit our website at https://emea.lambda.tdk.com/EMC_Guidance or contact your local TDK-Lambda sales office.

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UK DECLARATION OF CONFORMITY



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Electrical Equipment (Safety) Regulations 2016

Electromagnetic Compatibility Regulations 2016

Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012

Assurance of conformance of the described product with the provisions of the stated UK Regulation is given through compliance to the following standards:

Electrical Safety	EN 62368-1:2014/AC:2015
Electromagnetic Compatibility (EMC)	EN 61000-6-3:2007 + A1:2011 EN 61000-6-2:2005 EN 61204-3:2000 EN 55024:2010 EN 55032:2015
Restriction of Hazardous Substances (RoHS)	EN 63000:2018

Note: The EMC performance of a component power supply will be affected by the final installation, compliance to the stated EMC standards and conformance to the EMC Regulation must be confirmed after installation by the final equipment manufacturer. For guidance with respect to test conditions please visit our website https://emea.lambda.tdk.com/EMC_Guidance or contact your local TDK-Lambda sales office.

CUS250M Series – Products Covered

Unit Product Code: CUS250M-xxVx/yyyyyy

Where: xxVx = Channel 1 output voltage from within the output voltage adjustment range from the “Output Parameters” below

Output Parameters

The model variants listed below may be fan, forced air, conduction or convection cooled. The output parameters are shown below.

Outputs are not user adjustable but can be factory set.

CUS250M CH1 Outputs:

Model	Vout Range (V)	Max Iout (A)	Max Pout (W)
12	12 – 13.2	20.83	250
24	24 – 26.4	10.41	250

CUS250M Standby Output:

Model	Vout Fixed (V)	Max Iout (A)	Max Pout (W)
5	5	0.1	0.5

CUS250M Fan Output:

Vout Fixed (V)	Max Iout (A)
11.6	0.5

Where yyyyyy = unit options from the list of standard options below

Case Options

Blank	=	Open frame (with integral baseplate)
U	=	U channel
A	=	U channel with cover
F	=	U channel, cover and top mounted fan
C	=	M3 inserts for underside mounting

Connector Options:

Blank	=	JST connector
M	=	Molex type connector

Fuse Options:

Blank	=	Dual fuse (standard)
E	=	Single fuse in live line

Signal, Standby Options:

Blank	=	No options (CH1 and fan supply are standard)
G	=	5V, 0.1A standby supply, remote on/off (enable), DC_OK, AC_Fail
J	=	5V, 0.1A standby supply, remote on/off (inhibit), DC_OK, AC_Fail
K	=	Remove fan supply (CH1 only)

Leakage Current Options:

Blank	=	Standard leakage (<150µA)
T	=	Reduced leakage current (<50µA)

Output Connector Options:

Blank = Screw terminal
L* = Custom option *can be any number denoting different connector type

Coating Options:

Blank = No coating
P = Protective coating

Example: CUS250M-24V5/UEP = 24.5V with U channel, JST connector, single fuse in the live line, no options, standard leakage and protective coating

Unit product code may be prefixed with 'K' followed by any standard product code followed by /NNNNL where N is a string of numbers which identifies the non-standard requirement and L is an optional letter, starting with 'A' which is incremented for any customer revision.

Example: KCUS250M-24/0001A

Unit product code may be suffixed by /NNNNL where N is a string of numbers which identifies the non-standard requirement. L is an optional letter, starting with 'A', which is incremented for any customer revision.

Example: CUS250M-24/0001A

Unit product code may be suffixed by SPNN (where NN may be any number of characters indicating non-safety related model differences) (SP represents a sales code).

Example: CUS250M-24/FE/SP01

CUS250M – Series Signature Page

Name of Authorized Signatory	Christopher Haas
Signature of Authorized Signatory	
Position of Authorized Signatory	Head of Quality & Compliance Europe
Date	15 th November 2021
Date when this CE declaration first issued	5 th November 2021
Date when this UKCA declaration first issued	5 th November 2021
Place where signed	Achern, Germany

This declaration is signed for and on behalf of TDK-Lambda