TDK-Lambda UK Limited
Kingsley Avenue, Ilfracombe
Devon, EX34 8ES, United Kingdom
Tel: +44 (0) 1271 856600
Fax: +44 (0) 1271 864894
www.uk.tdk-lambda.com

EU DECLARATION OF CONFORMITY

NVM175 Series

We, TDK-Lambda UK Limited, of Kingsley Avenue, Ilfracombe, Devon, EX34 8ES declare under our sole responsibility that the TDK-Lambda NVM175 series of power supplies, as detailed on the attached products covered sheets, complies with the provisions of the following European Directives and is eligible to bear the CE mark:

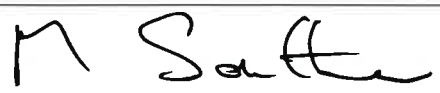
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU
RoHS 2 Directive	2011/65/EU

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)	EN60950-1:2006 + A2:2013
Electromagnetic Compatibility (EMC)	EN61000-6-3:2007 + A1:2011 EN61000-6-2:2005 EN55011:2009 + A1:2010 EN55024:2010 EN55032:2015

Our European Representative in the EU is TDK-Lambda UK Limited, located at Kingsley Avenue, Ilfracombe, Devon, EX34 8ES, UK.

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.tdk-lambda.com/EMC_Guidance or contact your local TDK-Lambda sales office.

Name of Authorized Signatory	Martin Southam
Signature of Authorized Signatory	
Position of Authorized Signatory	Marketing Director, TDK-Lambda EMEA
Date	17th August 2018
Date series first CE marked	2 February 2010
Place where signed	Ilfracombe, Devon, England

NVM175 PRODUCTS COVERED

Unit Nomenclature:

NVM175 or NVM-175 models as described below:

Units may be marked with a Product Code: X5x or NVM1x where x may be any number of characters.

Unit Configuration Code (Description): may be prefixed by NS # followed by / or - (where # may be any number of characters indicating non- safety related model differences).

Unit Configuration Code:

NVMxy-abcdefghijklm

Where:

x = 1 for 175 or 1D (1D for Double insulated or Class II unit)
y = Blank for Y2 capacitors from output to earth (except 1D models)
P for Y1 capacitors from output to earth (except 1D models)
a = Number of Outputs: 1.
b = Channel 1 Output Voltage where: T is for 12V, F is for 15V and G is for 24V.
c = O (for omit).
d = O (for omit).
e = O (for omit).
f = Standby supply:
Blank for no standby and no remote on/off (enable) or '-' followed by
S for 12V version with power good, logic level high enables main output.
S1 for 12V version with power good, logic level low enables main output.
S2 for 12V version with Channel 1 good, logic level high enables main output.
S3 for 12V version with Channel 1 good, logic level low enables main output.
S4 for 12V 0.8A version with power good, logic level low enables main output.
S5 for 5V 0.5A version with power good, logic level low enables main output.
S6 for 5V 0.5A version with power good, logic level high enables main output.
0 for no standby and no remote on/off (enable).
g = Blank for Open Frame or '-' followed by U for U chassis, C for U chassis with cover, K for custom chassis with cover and IEC inlet.
h = Blank for standard upright output connector or '-' followed by R for the right angle output connector, S for the screw terminal.
i = Blank for standard leakage or '-' followed by L for low leakage, Zx for custom leakage which is less than standard leakage and x is a number between 1 and 9 for different custom leakage current options.
jkl = Blank for standard output setting or '-' followed by three numbers from 0 to 9 which denotes various output voltages and currents within the specified range of channel 1 output for a particular unit.
m = Blank for dual fuse input or -FL for single fuse input in the Live line

Output Parameters

There are three NVM1 standard models with various options, and 3 non-standard models with output parameters shown in the tables below:

Output Channel	Voltage Designation	Vout Nom.	Adjustment Range (V)	Output Current (A)	Maximum Power (W)
Channel 1	T	12	12 - 15.5	15	180
	F	15	12 - 15.5	15	180
	G	24	24 - 28.5	7.5	180
Standby output	S	12	Fixed	0.2	2.4
	S1	12	Fixed	0.2	2.4
	S2	12	Fixed	0.2	2.4
	S3	12	Fixed	0.2	2.4
	S4	12	12 - 13	0.8	10.4
	S5	5	Fixed	0.5	2.5
	S6	5	Fixed	0.5	2.5

Variations and limitations of use:

NVM175 PSUs can output 180W from channel 1 plus 10.4W maximum from the standby output.
Component temperatures must be monitored in the end use application as described in the "COOLING FOR UNIT" section.
All ratings apply for ambient temperatures up to 50°C. From 50 to 70°C the total output power and current ratings are both derated at 2.5% per deg C.

Non-Standard Model:

X50015# (where # can be any letter except A, B, C, D, E or F):
Factory fitted output loom
Earth connection made via ring tag and screw

X50007# - NVM1D-1G-f-g-h-j
may be any letter where this indicates any of the options described in the nomenclature table above for f, g, h and j and where g will always be blank (open frame). D indicates that the product is double insulated (no earth connections). This product has 18-way output connector.
Maximum storage temperature 65°C.

For ambient temperature requirements see Conditions of Acceptability and user manual (Enclosure 6-01).

Input Parameters

Parameter	60601-1
Nominal input voltage	100 - 240 Vac
Input voltage range	90 - 264Vac
Input frequency range	45 - 63Hz
Maximum input current	3A rms

Environmental Specifications:

Description	Operation	Storage & Transportation
Use	Indoor	
Temperature	0°C - +70°C (See O/P tables for deratings)	-40°C - +85°C
Humidity	5 - 95% RH, non-condensing	5 - 95% RH, non-condensing
Altitude	-200m - 4000m	-200m - 5000m
Pressure	63kPa - 106kPa	54kPa - 106kPa

Orientation	The unit may be mounted on either side, vertical with input lowest and horizontal. (Customer Air versions can be mounted in any orientation).
Material Group	IIIb
Pollution Degree	2
Overvoltage Category	II
Class	I or II (depending on model)
Weight	1 Kg max
IP Rating	IPX0