



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 13/10087(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER OMRON Corporation
Industrial Automation Company Kusatsu Factory
2-2-1, Nishikusatsu, Kusatsu, Shiga, 525-0035 Japan

PLACE OF PRODUCTION OMRON (Shanghai) Co., Ltd.
No. 789 Jinji Road, Jinqiao, Export Processing District, Pudong New Area, Shanghai, 201206 China

UMC ELECTRONICS MANUFACTURING (DONGGUAN) CO., LTD.
No. 20, Yanhe Industrial Zone, Liwu Village, Qiaotou, Dongguan City, Guangdong Province, 5232539 China

DESCRIPTION Switching Power Supply S8VK-G & S8VK-R Series

TYPE Model : S8VK-G xx yy
Where:-
xx : Power Ratings
015 : 15W
030 : 30W
060 : 60W
120 : 120W
240 : 240W
480 : 480W
yy : Output Voltage
05 : 5V
12 : 12V
24 : 24V
48 : 48V

Certificate No. 13/10087(E3)
Issue Date 1 March 2017
Expiry Date 03 September 2018
Sheet 1 of 3


S. Fujii
Yokohama Technical Support Office
Lloyd's Register Group Limited

Lloyd's Register Group Limited
QTA 10F, 2-3-1, Minatomirai, Nishi-Ku, Yokohama, JAPAN

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Type (Cont'd) Model : S8VK-R Series
S8VK-R10 : Output current 10A
S8VK-R20 : Output current 20A

Standard DIN rail;
Mounting Rail : PFP-100N
: PFP-50N
: PFP-100N2
End Plate : PFP-M

Mounting Brackets;
Front-mounting bracket:
For S8VK-G Series of 15, 30 & 60W : S82Y-VS10F
models and S8VK-R10

For S8VK-G Series of 120, 240 & : S82Y-VK10F
480W models and S8VK-R20

Side-mounting bracket :
For S8VK-G Series of 15W model : S82Y-VK15P

For S8VK-G Series of 30 & 60W : S82Y-VS10S
models and S8VK-R10

For S8VK-G Series of 120W model : S82Y-VK10S
and S8VK-R20

For S8VK-G Series of 240W model : S82Y-VK20S

APPLICATION

Marine applications for use in environmental categories ENV1, ENV2 and ENV3 in the "General Power Distribution Zones" as defined in LR Type Approval System Test Specification No. 1-2002 where the Test Specification is satisfactory for the intended operation.

ADDITIONAL TEST

Low temperature test at -40°C for 16 hours

DESIGN CODE

Manufacturer's Specification No. 13OA001-LR & 13OA006-LR

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RATINGS

Power supply :
S8VK-G Series : 100 to 240 VAC, 50/60Hz
 : 90 to 350 VDC
S8VK-R10 : 5 to 30 VDC
S8VK-R20 : 10 to 60 VDC

OTHER CONDITIONS

1. Clamp filter "ZCAT2035-0930" manufactured by TDK Corporation. or equivalent is to be installed in the cable connected to the input-output terminals.
2. Clamp filter "FN2080-10-06" manufactured by SCHAFFNER Corporation. or equivalent is to be connected to the input terminals.
3. In case of DIN rail installation, end plate "PFP-M" manufactured by OMRON Corporation. or equivalent is to be installed in the both ends of the unit.
4. Since the power supply variation test for electrical battery supply has not been carried out, the products are not supplied from the batteries.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Group Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 13/10087(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 13/10087(E2) to which this extension should be attached.

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