



Ref. Certif. No.

DE1-33022/A1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

Product
Produit

Power supply for IT-Equipment / DC/DC-Converter

Name and address of the applicant
Nom et adresse du demandeur

ARTESYN NORTH AMERICA INC.
4605 South Palo Verde Road Suite 605, TUCSON AZ 85714
UNITED STATES OF AMERICA

Name and address of the manufacturer
Nom et adresse du fabricant

ARTESYN NORTH AMERICA INC.
4605 South Palo Verde Road Suite 605, TUCSON AZ 85714
UNITED STATES OF AMERICA

Name and address of the factory
Nom et adresse de l'usine

ARTESYN TECHNOLOGIES ASIA-PACIFIC LTD.
Qi Guan Road West Shiqi, ZHONGSHAN CITY
CHINA

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Additional information on page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Input: DC 36 - 60 V (SELV) or DC 36 - 75 V (TNV) or DC 18 - 36 V (SELV); max. 45.45 A
Output: SELV

Trademark (if any)
Marque de fabrique (si elle existe)

ARTESYN

Model / Type Ref.
Ref. De type

RFXXX0-48S Series, RFXXX0-24S Series
(see attached matrix)

Additional information (if necessary may also be reported on page 2)
Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2^{ème} page)

Class I, WMT, seperation: operational insulation

Additional information on page 2

A sample of the product was tested and found to be in conformity with
Un échantillon de ce produit a été essayé et a été considéré conforme à la

PUBLICATION

EDITION

IEC 60950-1(ed.1)

As shown in the Test Report Ref. No. which forms part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

1040100-3336-0198

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

VDE VERBAND DER ELEKTROTECHNIK
ELEKTRONIK INFORMATIONSTECHNIK e.V.
VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

Date: 2006-05-12

Signature: A. Schwalm

Model Matrix

RFXXXX-XXSXXXXXXXXX

| <u>Model</u> | <u>VDCin</u> | <u>IDCin</u> | <u>VDCout</u> | <u>IDCout</u> | <u>Max Power</u> |
|--------------------|--------------|--------------|---------------|---------------|------------------|
| RFF700-48S28XXXXXX | 36-75 | 25.37 | 28.00 | 25.00 | 700W |
| RFF600-48S28XXXXXX | 36-75 | 21.75 | 28.00 | 21.43 | 600W |
| RFF600-24S28XXXXXX | 18-36 | 45.45 | 28.00 | 21.43 | 600W |
| RFF500-48S28XXXXXX | 36-75 | 18.12 | 28.00 | 17.86 | 500W |
| RFF500-24S28XXXXXX | 18-36 | 37.87 | 28.00 | 17.86 | 500W |
| RFF400-24S28XXXXXX | 18-36 | 30.30 | 28.00 | 14.28 | 400W |
| RFB400-48S28XXXXXX | 36-75 | 14.50 | 28.00 | 14.30 | 400W |
| RFB350-48S28XXXXXX | 36-75 | 12.69 | 28.00 | 12.50 | 350W |
| RFB350-48S15XXXXXX | 36-75 | 14.50 | 15.00 | 23.33 | 350W |
| RFB350-48S12XXXXXX | 36-75 | 12.69 | 12.00 | 29.17 | 350W |
| RFB300-48S28XXXXXX | 36-75 | 11.16 | 28.00 | 11.00 | 308W |
| RFB300-48S24XXXXXX | 36-75 | 12.69 | 24.00 | 12.50 | 308W |
| RFB300-48S12XXXXXX | 36-75 | 11.16 | 12.00 | 25.00 | 308W |
| RFB300-24S28XXXXXX | 18-36 | 22.32 | 28.00 | 11.00 | 308W |
| RFB300-24S24XXXXXX | 18-36 | 22.32 | 24.00 | 12.50 | 308W |
| RFB300-24S12XXXXXX | 18-36 | 22.32 | 12.00 | 25.00 | 308W |
| RFB300-48S28-5-A | 36-75 | 12.69 | 28.00 | 12.50 | 350W |
| RFB250-48S30XXXXXX | 36-75 | 9.30 | 30.20 | 8.30 | 250W |
| RFB230-48S28XXXXXX | 36-75 | 8.33 | 28.00 | 8.21 | 230W |
| RFB200-24S28XXXXXX | 18-36 | 14.88 | 28.00 | 8.21 | 200W |
| RFB210-48S28XXXXXX | 36-75 | 7.81 | 28.00 | 7.50 | 210W |

Note: X represents an alphanumeric character for customer specific options. No safety relevant issues.

- RFFX00-48S28XXXXXX** An external fuse up to a 40A slow-blow is required in an input line. The maximum baseplate temperature is 100 deg. C. Unpotted, with or without cover, the maximum baseplate temperature is 80 deg. C @ 700W, 90 deg. C @ 600W, 100 deg. C @ 500W.
- RFFX00-24S28XXXXXX** An external fuse up to a 80A slow-blow is required in an input line. The maximum baseplate temperature is 100 deg. C. Unpotted, with or without cover, the maximum baseplate temperature is 80 deg. C @ 700W, 90 deg. C @ 600W, 100 deg. C @ 500W.
- RFBXX0-48S28XXXXXX** An external fuse up to a 20A slow-blow is required in an input line. The maximum baseplate temperature is 100 deg. C. Unpotted, with or without cover, the maximum baseplate temperature is 80 deg. C @ 350W, 90 deg. C @ 300W, 100 deg. C @ 250W.
- RFB3X0-24S28XXXXXX** An external fuse up to a 40A slow-blow is required in an input line. The maximum baseplate temperature is 100 deg. C. Unpotted, with or without cover, the maximum baseplate temperature is 80 deg. C @ 350W, 90 deg. C @ 300W, 100 deg. C @ 250W.
- RFB2X0-48S28XXXXXX** An external fuse up to a 20A slow-blow is required in an input line. The maximum baseplate temperature is 100 deg. C with or without potting and cover.

NOTE: The maximum baseplate temperature for unspotted, with or without cover, models may be determined during system evaluation. Airflow, power consumption and other variables may allow higher baseplate temperatures than specified above up to 100 deg. C. A maximum of 130 deg. C on the Printed Wiring Boards used in the various magnetics under all conditions. For model RFFX00, the magnetics are T3, T4, L2 and L3. For model RFB3X0, the magnetics are T3 and L2.