

ASTA

CERTIFICATE OF COMPLETE COMPLIANCE

Laboratory Ref. No. 3051

Certificate No: 16171

APPARATUS: CONNECTOR

DESIGNATION: PowerCon NAC3-2FC and NAC3-2MP

MANUFACTURER: Neutrik AG, Im alten Riet 143, Schaan, LI-9494, Liechtenstein

TESTED BY: Intertek ETL Semko, ITS House, Cleeve Road, Leatherhead, KT22 7SB, UK

DATES OF TEST: July 2003/October 2004

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

IEC61984 (2001-06)

The results are shown in the report attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below

250V a.c. rated current 32A

Rated insulation voltage 250V, Rated impulse voltage 4kV

For characteristic features see Page A

The report applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the manufacturer.

This certificate comprises 16 Pages, No Diagrams, 2 Photographs, 2 Drawings and No other sheets as detailed on page B

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the assigned rated characteristics of the apparatus tested, are permitted without written permission from ASTA BEAB Certification Services, Hilton House, Corporation Street, Rugby, CV21 2DN, England. (see overleaf)



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C. Stephens Inspector
C P Stephens

C. Mickelthorn
DIRECTOR

6th February 2006 Date

This Publication gives a brief description of the Certificates and Reports issued by ASTA and provides guidance on the forms of advertised claims which may be made subsequent to certification. More information is given in ASTA Publication 5.

ASTA CERTIFICATES

Certificates are issued when samples of a particular product design have been tested satisfactorily against the requirements of a National, European or International Standard. Several forms of Certificate are available as follows:

Certificate of Complete Compliance - verifies compliance with all the requirements of a Standard e.g. dimensional, safety, performance, etc.

Certificate of Type Tests - is issued when a complete series of type tests prescribed in a Standard has been made successfully.

Certificate of Short-Circuit Rating - verifies the short-circuit performance of the design. The Certificate may include the results of other type tests, e.g. mechanical endurance tests.

Certificate of Making and Breaking Capacity - verifies the overload switching capability of equipment to which a short-circuit rating is not usually assigned, e.g. contactors. This Certificate may also include the results of other type tests.

Supplementary Certificate - extends the scope of an existing Certificate to cover changes in rating or in design which require additional proving tests to be made.

Certificate of Temperature-Rise Performance - verifies the temperature-rise limits of the equipment by performance of the appropriate type test specified by the Standards only where these tests are performed as complete type tests and not as a part of a sequence of tests.

Certificate of Dielectric Performance - verifies all dielectric ratings of the equipment by performance of the appropriate type tests specified by the Standards only where these tests are performed as a complete type test and not as part of a sequence of tests.

TEST REPORT

An ASTA Test Report is issued when tests otherwise satisfactory cannot be included in a Certificate for one or more reasons, e.g. verification of non-standard ratings. Complete details are given in ASTA Publication No. 5.

PUBLICATION

A Holder may, without prior approval from ASTA, reproduce the entire contents of Certificates and Test Reports, or Certificate Front Sheets accompanied by any associated pages on which are stated the assigned rated characteristics provided no part is obscured and all essential details are legible. Permission for any other kind of reproduction of Certificates and Test Reports must be obtained from ASTA.

PRODUCT ENDORSEMENT



The use of the Diamond Mark is authorised by a licensing agreement between ASTA and the Manufacturer or responsible vendor. The granting of an ASTA Certificate does not give authority for the Diamond Mark to be used as registration of quality management systems and routine assessments of production samples apply.

Equipment may be endorsed with the words ASTA CERT or ASTA CERTIFIED only when a formal scheme has been established and a letter of authorisation issued by ASTA to the manufacturer and receipt of the same acknowledged by that manufacturer. Endorsed products shall show at least the ratings verified by ASTA and the Standard against which Certification has been made. The **ASTA CERT** endorsement must not be used on equipment intended for household use.

ADVERTISED CLAIMS

The holder of an ASTA Certificate may claim in Trade Journals, Catalogues, Technical Articles etc., and without the prior approval of ASTA that the product identified in a Certificate is ASTA Certified. To minimise the possibility of any misunderstanding such claims must clearly identify the product(s) certified, the ratings verified by ASTA and the Standard against which Certification has been made.

RECORD OF PROVING TESTS

Laboratory Reference No. 3051

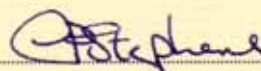
ASTA

Rating Page No. A

Date of Test: July 2003/October 2004

CONNECTOR – CHARACTERISTIC FEATURES

TABLE: Characteristic features	
Kind of equipment	Connector
Existence of an enclosure	Unenclosed connector (chassis receptacle only)
	Enclosed connector (cable connector only)
Design of the connector	Fixed connector (chassis receptacle only)
	Free connector (cable connector only)
Additional characteristics	Connector with protective earthing contact
	Connector with cable clamp (cable connector only)
	Connector without cable clamp (chassis receptacle only)
	Connectors without breaking capacity
	Degree of protection of a connector
	Connector without interlock
	Rewirable connector
Pollution degree	2
Over voltage category	III
Operating cycles	500
Bendings	10
Upper temperature limit	According manufacturer's declaration = +90 °C
Lower temperature limit	-25 °C
Type of conductor	Flexible
Termination and connection	Screw-type clamping units
Values for cable clamp	9-12 mm (cable connector only)
Rated voltage(s)	250 V
Rated current	32 A
Rated impulse voltage(s)	4 kV
Rated insulation voltage(s)	250 V
Number of poles	2 +E (+2 system grounding connections)
Protection degree (IP-Code)	IP2X
Mounting	Rewirable cable connector : Free Chassis receptacle: Panel-mounting
Wire cross section area or cross section range:	1.5 to 4.0 mm ² (cable connector only)
	2.5 to 6.0 mm ² (chassis receptacle only)



ASTA Inspector
C.P. Stephens