

PROTECTION ASSESSMENT PANEL

NOTICE OF CONFORMITY No. 112 Issue: 5A

General & Environmental Self Certification Statement No. SC1024 Issue 5

Functional Assessment Statement(s) No. FA1024 Issue 5

1:11

(listed on page 3)

MANUFACTURER

Schneider Electric Energy

PRODUCT

MICOM P630 Transformer Differential Protection

TYPE REFERENCE

MICOM P631, P632, P633, P634, P638

HARDWARE REFERENCE

P63* _*****_308-*

P638_*****_302-*

(see self certification statement SC1024 issue 3 page 4)

SOFTWARE REFERENCES

P631 / P632 / P633 / P634 - v620 & 621

P638 - v610

APPLICATION LIMITATIONS

See page 2

ASSESSMENT DATE

11/08/03

CHANGE CONTROL REFERENCE
(if applicable)

ENA – 11-003

Areva – A0068

RE-ASSESSED

January 2011

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This document is not a recommendation by the Energy Networks Association as to any product, equipment, manufacturer or supplier included herein.

It is an indication only that the types of product and equipment listed have been subjected to testing and found to comply with the relevant standards.

The fact that any product, equipment, manufacturer or supplier is not included does not mean that it does not meet the relevant standard.

ENA PROTECTION ASSESSMENT PANEL
SCHNEIDER ELECTRIC ENERGY
MICOM P630 TRANSFORMER DIFFERENTIAL PROTECTION

The ENA Protection Assessment Panel issues this Notice of Conformity Certificate to **MICOM P630 Transformer Differential Protection**.

This Notice is produced for the Electricity Industry and relates to the use of the equipment on the United Kingdom Supply System within the rating specified.

This Notice of Conformity Certificate signifies that the equipment named above and manufactured by **Schneider Electric Energy** satisfies the requirements of the ENA Protection Assessment Panel.

It is the responsibility of each ENA member company to determine the suitability of relays for use on their own systems. The assessment of a relay does not absolve the application engineers of their responsibilities to determine the suitability of the relay for each particular application and to check that the service conditions are appropriate.

Once a particular design has been assessed by the Panel it is the Manufacturer's responsibility to declare, in writing, any modifications to the assessed design, guaranteed performance parameters, revision status of drawings, hardware and software or significant changes in the manufacturing location, materials, processes etc, to the Secretary of the Panel so that test requirements can be reviewed. This is particularly necessary where a change in design detail is not apparent by a corresponding change in type designation.

Signed:

A handwritten signature in black ink, appearing to read 'Bernard Pentecost', written over a horizontal line.

Bernard Pentecost
ENA Engineering

Details of Non Compliance and Identified Application Limitations

General

| ENA General Requirement | Detail of Non Compliance and Application Limitations |
|-------------------------|--|
| | |
| | |
| | |
| | |

Environmental

| ENA Technical Specification 48-5 Clause | Detail of Non Compliance and Application Limitations |
|---|--|
| 6.1 – DC Supply Voltage – High Burden Trip Relays | The opto inputs pass the tests with a 15kΩ parallel resistor. |
| 7.5 – Electrical fast transient / burst immunity | Tested to EN61000-4-4:2004: Level 4, 4kV 5KHz on power supply port; 2kV 5kHz on all I/O ports; 2kV on IEC61850 communications and RTD ports Tested to IEC 60255-22-4:2002: Class B: 2kV 5kHz on all circuits; 1kV on IEC 61850 communications and RTD ports |
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| | |

FUNCTIONS ASSESSED

| Functional Assessment Statement No. | Type of Function |
|-------------------------------------|--|
| FA1024/1 | Three Phase Differential Protection |
| FA1024/2 | Restricted Earth Fault Protection [Note: also referred to as Ground Differential Protection] |
| FA1024/3 | Definite-Time Overcurrent Protection |
| FA1024/4 | Inverse-Time Overcurrent Protection |
| FA1024/5 | Thermal Overload Protection |
| FA1024/6 | Over / Under – Voltage Protection |
| FA1024/7 | Over / Under – Frequency Protection |
| FA1024/10 | Overfluxing Protection |
| FA1024/11 | Current Transformer Supervision |
| FA1024/12 | Transformer Tank Protection |
| FA1024/13 | Transverse Differential Protection |
| | |

FUNCTIONS NOT ASSESSED

| Functional Assessment Statement No. | Type of Function |
|-------------------------------------|------------------------|
| FA1024/8 | Programmable Logic |
| FA1024/9 | Limit Value Monitoring |
| | |

CHANGE NOTE HISTORY

| Change Note Ref | Category | Date | Summary |
|-----------------|----------|------------|---|
| A0037 | A2 | 13/02/2007 | Hardware and software updates |
| A0046 | A2 | 13/08/2007 | P638 added. FAS and SCS updated |
| A0063 | A2 | 18/06/2009 | P631-4 only Software and Hardware upgrade: Software upgraded from 610 to 621 Hardware upgraded from 305 to 308 |
| A0068 | A2 | 15/02/2010 | P638 only Software and Hardware upgrade: Software upgraded from 603 to 610 Hardware upgraded from 301 to 302 |
| N/A | B | 12/10/2011 | Name change to Schneider Electric Energy |