



CERTIFICATE

no. 17 60 05

issued by an Accredited Certification body



Electronic watt-hour meter

Holder/Issued to/Manufacturer

ABB Automation Technology Products AB
Cewe
Box 1005
SE-611 29 NYKÖPING

Product

ABB OD41

Variants to the above product covered by this certificate are annexed.

Performance specification

According to EN 61 036:1996, EN 61 036:1996/A1:2000 "Alternating current static watt-hour meters for active energy" and SPs Certification Rules for watt-hour meters, SPCR 090, with amendment.

Class

Class 1 and 2, indoor

Basis for certificate

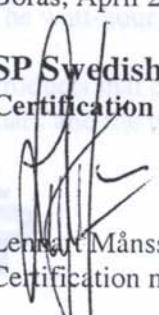
SP's report P103308 and P401026A
Technical documentation according to SPCR 090, clause 2.3.1
Declaration of conformity dated 2001-09-27.
Conditions for installation in appendix

Validity

This certificate is valid until and including February 28, 2006. The certificate is updated after subsequent pattern evaluation with satisfactory result.

Borås, April 28, 2004

**SP Swedish National Testing and Research Institute
Certification**


Lena Månsson
Certification manager



Åke Månsson
Certification officer

Appendix: dated 2004-04-28

This certificate replaces certificate no 176005 dated 2001-10-18



Appendix to
CERTIFIKAT
no 17 60 05
dated 2004-04-28

Signed for SP: 

Variants to the watt-hour meter

Voltage	4-wire, 3-element	3*230/400 V
Current	5 (10), transformer connection	OD 4110
	5 (65), direct connection	OD 4165
Frequency	50 Hz	
Software version	FW 1.02, dated 031005	

Performance specification

The watt-hour meters are tested and approved according to EN 61 036:1996 and EN 61 036:1996/A1:2000

Additional tests:

Storage requirements at the temperature of -40°C . Tests according to clause 5.3.2.

Accuracy requirements between $+45^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ and -10°C to -40°C , tests according to clause 5.6.3.

Conditions for installation

To comply with the protection requirements the meter shall be mounted inside an enclosure of at least class IP 51 according to IEC 60529.

Marking

The watt-hour meters shall be marked according to EN 61 036, clause 4.2.13.1

Products that conform with the product to which this certificate relates may display the P-mark and the number of this certificate, 17 60 05



Mårten
Certification manager


Åke Månsson
Certification officer

Appendix: dated 2004-04-28

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