

# CERTIFICATE

KEMA No.: 2128920.06



Issued to:  
Applicant:

**ABB B.V.**  
**Frankeneng 15**  
**6716 AA Ede**  
**The Netherlands**

Manufacturer/Licensee:

**ABB B.V.**  
**Frankeneng 15**  
**6716 AA Ede**  
**The Netherlands**

Product : connecting boxes  
Trade name : ABB-HAFOBOX  
Type : HW 50G

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

KEMA hereby declares that the above-mentioned product has been certified on the basis of:  
a type test according to the standard NEN-EN-IEC 60670-1:2005 and NEN-EN-IEC 60670-22:2007  
– an inspection of the production location according to CENELEC Operational Document CIG 021  
– a certification agreement with the number 900017

KEMA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 10 March, 2010 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood  
Managing Director

H.R.M. Barends  
Certification Manager

ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



© Integral publication of this certificate is allowed

## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

product : connecting boxes with 4 spouts 16mm and 19mm  
trade name : ABB-HAFOBOX  
type : HW 50G  
material : PP 850°C  
dimensions : round 65x45mm

## TESTS

### Test requirements

NEN-EN-IEC 60670-1:2005  
NEN-EN-IEC 60670-22:2007

### Test result

The test results are laid down in KEMA test file 2128920.06.

### Remarks

This certificate is also based on and replaces certificate 2111993.03 of 7 December, 2007

### Conclusion

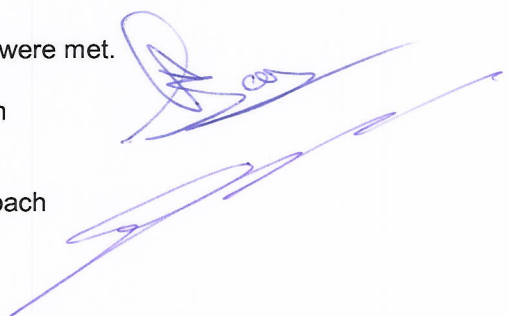
The examination proved that all test requirements were met.

Tested by : R. van Daalen

Checked by : A.A. Mackenbach

### Factory location

ABB B.V.  
Frankeneng 15  
6716 AA Ede  
The Netherlands

Handwritten signatures in blue ink, likely belonging to R. van Daalen and A.A. Mackenbach, positioned to the right of the signature lines.