



SWEDISH TYPE APPROVAL 1820 WITH DECISION ON PRODUCTION CONTROL

Holder: Oras Ltd

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Digital Power Module, Bluetooth

Product description

Bluetooth digital module made in composite PPSU, equipped with measuring and sending features. The unit's inlet and outlet connection size is G 3/8". Brass parts in contact with water are made of dezincification resistant alloy.

Intended use

Device for measuring flow rate, temperature, time in tap water systems. Maximum operating pressure is 1.0 MPa and maximum temperature is 70 °C.

Scope

Data unit: Oras Electra 205100Z-18 / Hansa Electra 6451000918

Power unit: Oras Electra 205200Z-18 / Hansa Electra 6452000918

Approval

The products meet the requirements of Chapter 8, Section 4, of the "Planning and Building Act" (PBA) regarding the technical characteristics of construction works, 3. protection with regard to hygiene, health and the environment, depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of "Boverket's Building Regulations" (BBR):

Construction products with assessed properties	1:4
Tap water installations	6:62
Design	6:625, paragraph 1 and 4

Marking

Marking must be affixed on the product or, if there are special reasons, on the packaging or the delivery note. Marking shall indicate the following information:

Holder:	Oras Ltd
Product name, and relevant article number:	Oras Electra / Hansa Electra (art.no)
Production site:	Applicable manufacturer or ID code
Traceability to the production:	(e.g. yyyy-mm-dd or batchnumber)
Information about requirements or class, if relevant:	-
The registered trademark of Boverket No 241 217:	
Certification Body:	Kiwa Certification AB
Accreditation number:	1913
Type Approval No:	1820
Inspection Body:	Kiwa Certification AB

CERTIFIKAT

Kiwa Certification AB

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Accred. no. 1913
Certification of
Products
ISO/IEC 17065

Production site(s):

Oras Oy, Rauma, Finland

Control

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body.

Inspection Body: **Kiwa Certification AB** Inspection agreement: **1168/2017 revision 2, dated 2020-02-13**

Factory production control shall be carried out in accordance with the current instructions for control.

During inspection at the construction site, the building proprietor must verify the identity of the product by means of the marking. Furthermore, the building proprietor must ensure that the correct products are delivered and that they are installed in accordance with the manufacturer's instructions in the accompanying documents. It must also be verified that the product is accompanied by a manufacturer's declaration that certifies that production has been carried out in accordance with the documents that formed the basis for this type approval.

The validity of the Swedish Type Approval also implies that the factory production control is carried out according to the current agreement and that the holder annually fulfils the requirement in "Boverket's regulations and general recommendations for type approval", BFS 2013:6, § 5 (TYP 7), on continuing internal control. The holder shall annually, at the latest on the 15th of December, report to Kiwa Certification AB at the e-mail address se.annualreporting@kiwa.com about continuing surveillance.

Associated documents

Assembly and service instructions, edition: 943473-02-22

The assessment basis for the approval

Test report No. K-305468-18-Ko as well as W-310298-19-SI/to by HY, and P000269674-TR-Rev0 by Kiwa NL

Analysis report No. EUFI29-20000931-T1 by Eurofins

Assessment report No. 214/2022, dated 14 oct 2022 by Kiwa Certification AB

Comments

- Requirements met in KTW BWGL.

The Type approval is valid provided that the product shall neither be CE marked according to the Construction Product Regulation (EU) No 305/2011 (CPR), nor has it been suspended or withdrawn by Kiwa Certification AB.

Date of decision: 14 October 2022

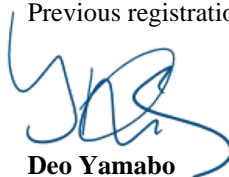
Registration number: 214/2022

Valid until: 13 October 2027

Previous registration number:



Bengt-Olov Andin



Deo Yamabo