



OIML Member State
Denmark

OIML Certificate No.
R60/2000-A-DK2-2022.01

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: **Park Allé 345, 2605 Brøndby, Denmark**
Person responsible: **Leif Madsen**

Applicant

Name: **Eilersen Electric Digital Systems A/S.**
Address: **Kokkedal Industripark 4,
2980 Kokkedal
Denmark**

Manufacturer **Eilersen Electric Digital Systems A/S.**

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

SPSX, SPSX-EX

Designation of the module *(if applicable)*

A digital capacitive single point load cell, hermetically sealed

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 60, Edition (year): 2000

For accuracy class (if applicable): **C5**

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This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML reports:

Type examination report: No. 121-35473.10, dated 24 January 2022, that includes 48 pages

Type examination report: No. DANAK-1916708, dated 25 July 2016, that includes 28 pages

Type evaluation report: No. 121-35473.90.10, dated 24 January 2022, that includes 4 pages

The technical documentation relating to the identified type is contained in documentation file:
121-35473 & T212907

OIML Certificate History

Revision No.	Date	Description of the modification
Initial version	31 March 2022	-

Identification, signature and stamp

The OIML Issuing Authority

FORCE Certification A/S

Date: 31 March 2022

Jens Hovgård Jensen

Certification Manager

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Descriptive annex

Type designation		SPSX / SPSX-EX
Accuracy class acc. to OIML R60		C5
Maximum number of intervals	n_{LC}	5000
Maximum capacity	E_{max}	20 to 100 kg
Apportionment factor	p_{LC}	0.8
Minimum verification interval	v_{min}	0.0087 %
Ratio of min LC verification interval	$Y = E_{max} / v_{min}$	11500
Minimum dead load output return	DR	0.01 %
Ratio of minimum dead load output return	$Z = E_{max} / 2 * DR$	5000
Minimum dead load	E_{min}	0 kg
Safe overload limit	E_{lim}	300 to 1000 % E_{max}
Safe sideload limit		500 to 2000 % E_{max}
Warm-up time (before measuring)		4 minutes
Compensated temperature range	B_T	- 10... +40 °C
Humidity condition		CH
Degree of protection		IP68
Load cell material		Stainless steel
Cable		Up to 100 m standard coaxial RG-58 with BNC connector
Communication output options		RS485, Profinet, Profibus DP, Ethernet IP, EtherCAT, Modbus TCP/IP
Other optional outputs (non-legal)		4-20 mA, 0-10 VDC

Software

The load cell has software version: STDLC.090225.7vx

