

Type Approval Certificate



[Pressure Transmitter]

Initial Approval 29th March, 2021
Manufacturer Danfoss A/S
Nordborgvej, DK-6430 Nordborg, Denmark
Product Description Type : DST P40M

“ See Appendix 1 ”

Approval Condition “ See Appendix 1 ”

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification of Steel Ships.

This Certificate is valid until 28th March, 2026

Issued at Busan, Korea on 29th March, 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME21008183405) and certificate No.(CPH04967-AE014).



KOREAN REGISTER

*General Manager of
Marine & Ocean Equipment Team*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 29th March, 2021

A. Product Description

1. Product Specification

- 1) Product Description ;
DST P40M is a pressure transmitter intended for marine use.
- 2) Specification ;
 - Supply voltage : 9 - 32 VDC
 - Output signal : 4 - 20mA
- 3) Design code (Manufacturer's specification AI354625841155en-000101 dated on 2021.01) ;
DST P40M-AABC-DDEEEE-F

---	0	: No Gasket
---	1	: Gasket(ISO 1179-2) FKM
-----	GB04:	G $\frac{1}{4}$ " (ISO 1179-2)
-----	GB04:	G $\frac{1}{2}$ " (ISO 1179-2)
-----	A0	: No female plug(EN 175301-803)
-----	A1	: Plug (EN 175301-803-A) Pg9
-----	A6	: Plug (EN 175301-803-A) Pg11
-----	A9	: Plug (EN 175301-803-A) Pg13, 5
-----		4 - 20mA
-----		Gauge
-----	16	: 0 - 4 bar
-----	18	: 0 - 6 bar
-----	20	: 0 - 10 bar
-----	22	: 0 - 16 bar
-----	24	: 0 - 25 bar
-----	30	: 0 - 100 bar

2. Approved Drawings and Documents

- 1) Datasheets
AI354625841155en-000101 dated on 2021.01

3. Test Reports, etc.

- 1) ENV: 120-34164-1 Revision 1
- 2) EMC: E201738E1 dated on 15th Jan. 2021

B. Approval Condition

1. Application & Limitation

- 1) This approval is granted on the basis of the test reports and the approved documentation.
- 2) The manufacturer should inform this Society of all kinds of revisions of the equipment. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 3) Degree of protection shall be complied with Rule Pt.6 Ch.1 Sec.2 201.2. (5).

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual product certification is not required.

3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

Product Description and/or Approval Condition

Date of Issue : 29th March, 2021

4. Others

1) Test condition

Test	Condition	Remark
EMC	All locations including the bridge and deck zone	Up to 6 GHz
Temperature	-25 ~ +70°C	-
Vibration	Acceleration $\pm 4.0g$	-

< End of Certificate >