



We realize ideas

Passive data network technology for maritime applications

DNV-certified components



DNV Location Classes – METZ CONNECT products

The DNV Location Classes are classification levels defined by DNV (Det Norske Veritas) to determine the environmental conditions and stresses to which various systems, equipment and structures on vessels, offshore installations and industrial facilities are exposed. This classification helps to define technical

specifications for equipment and materials according to their intended installation location and the prevailing conditions.

Requirements according to DNV classification:

- DNV-RU-SHIP Pt.4 Ch.9 Control and monitoring
- on electrical, electronic and programmable devices and systems

The requirements and environmental test specifications for a particular product are defined according to the area of application and the intended location on board.

DNV certificate

Validity

This certificate is valid until 2026-01-24

Application area

The product(s) approved by this certificate is/are approved for installation on all vessels classified by DNV GL.

Application/limitation of location classes

Temperature: B,
Air humidity: B,
Vibration: A,
EMC: (not applicable),
IP protection class: A

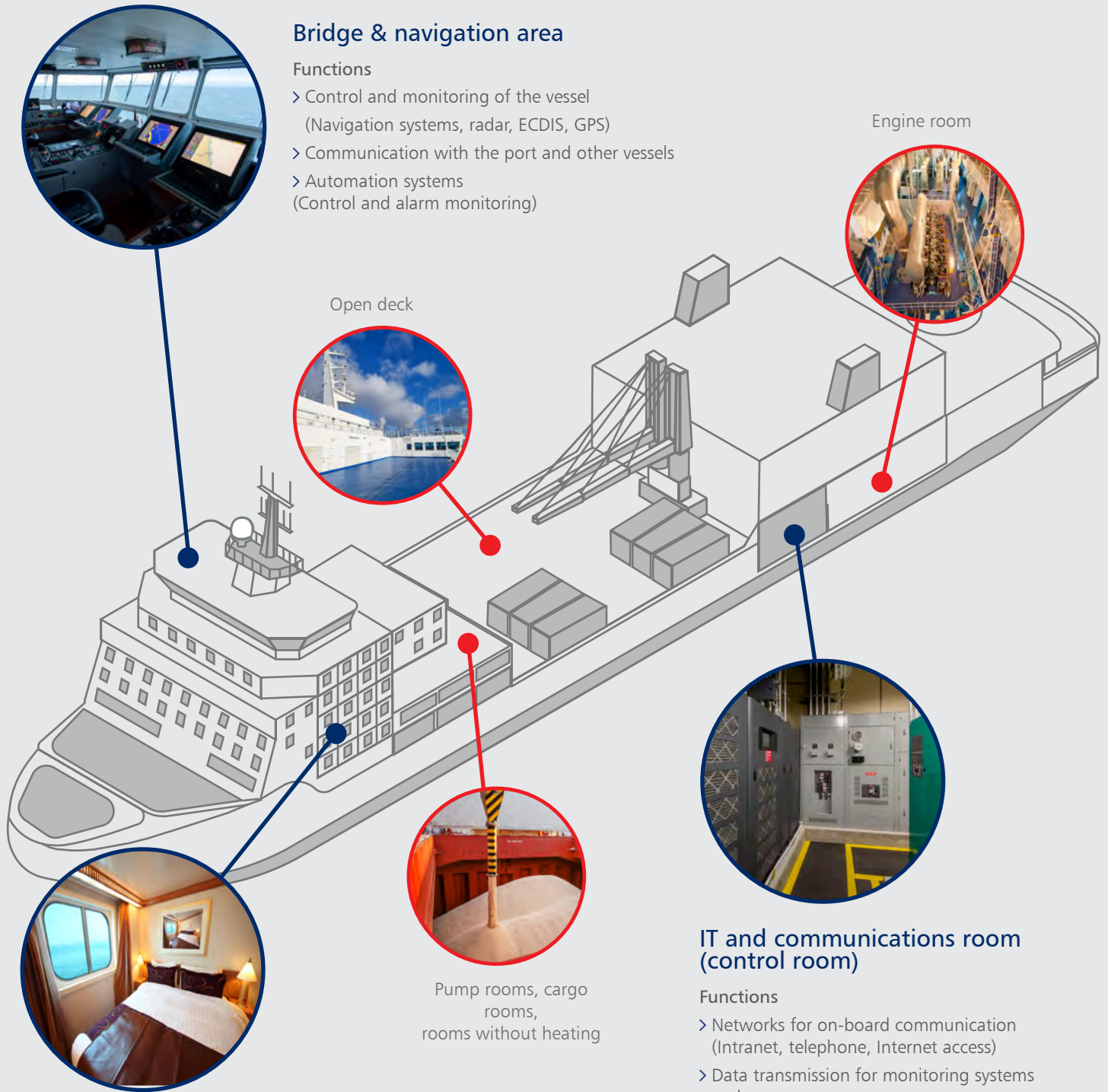
Performed tests

Environmental tests according to DNVGL-CG-0339

Certificate



Application areas of DNV-certified products from METZ CONNECT



Bridge & navigation area

Functions

- > Control and monitoring of the vessel
(Navigation systems, radar, ECDIS, GPS)
- > Communication with the port and other vessels
- > Automation systems
(Control and alarm monitoring)

Engine room

Open deck

Ship cabins & leisure areas

Functions

- > Entertainment systems (TV, radio, WLAN)
- > Control of light and air-conditioning in the cabins

IT and communications room (control room)

Functions





- > Networks for on-board communication
(Intranet, telephone, Internet access)
- > Data transmission for monitoring systems and sensors

● Suitable locations





● Unsuitable locations

Product overview – METZ CONNECT – DNV-certified products


CAT.6_A / CLASS E_A | FORMAT MODULE

	DESCRIPTION	VARIANT	P/N
	C6 _A module 180° jack DNV	180° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B11-DNV
	C6 _A module 270° jack DNV	270° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B12-DNV
	C6 _A module 90° jack DNV	90° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B13-DNV
	E-DAT RJ45 Cat.6 _A jack DNV	Cat.6 _A T568A/B, format module, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130910-DNV

CAT.6_A / CLASS E_A | KEYSTONE FORMAT



	DESCRIPTION	VARIANT	P/N
	C6 _A RJ45 K 180° jack DNV	180° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B21-DNV
	C6 _A RJ45 K 270° jack	270° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B22-DNV
	C6 _A RJ45 K 90° jack DNV	90° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B23-DNV
	E-DAT module Cat.6 _A jack K DNV	Cat.6 _A T568A and B, keystone format, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130910K-DNV

CAT.7 SHF1 OCEANLINE 900



	DESCRIPTION	VARIANT	P/N
	OCEANLINE C7 S/FTP 4P AWG23 LSHF-FR GN (Product type: installation cables)	C7 S/FTP AWG23 LSHF	130842D7SFDMDNV

Product overview

CAT.6_A / CLASS E_A | RJ45 + M12 CONNECTOR

	DESCRIPTION	VARIANT	P/N
	C6 _A RJ45 field plug pro 180° DNV	Cable feed 180°, cat.6 _A /class E _A , on-site mounting, AWG 27/7-22/7, AWG 26/1-22/1, two-part IP20	130E405032-DNV
	C6 _A RJ45 field plug pro 360° DNV	Cable feed 360°, Cat.6 _A / class E _A , on-site mounting, AWG 27/7-22/7, AWG 26/1-22/1	130E405042-DNV

CAT.6_A / CLASS E_A | CONNECTORS

	DESCRIPTION	VARIANT	P/N
	E-DAT Industry IP20 RJ45 DNV	Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1, two-part IP20	1401405012-DNV
	E-DAT Industry IP20 RJ45 DNV	For IP67 connector housing , Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1, two-part IP20	1401400810-DNV

X-CODED | M12 CONNECTOR

	DESCRIPTION	VARIANT	P/N
	M12 On-site mounting DNV	X-coded, IP67, M12 Cat.6 _A , AWG 26-22/7; 26-22/1, wire thickness 1.6 mm, cable thickness 5.0–9.7 mm	MMF881A315-DNV
	M12 X-coded On-site mounting , DNV flange	X-coded, IP67, flange, M12 Cat.6 _A , AWG 26-22/7; 26-22/1, wire thickness 1.6 mm, cable thickness 5.0–9.7 mm	MMF881A315-DNV1


X-CODED | M12 CONNECTOR

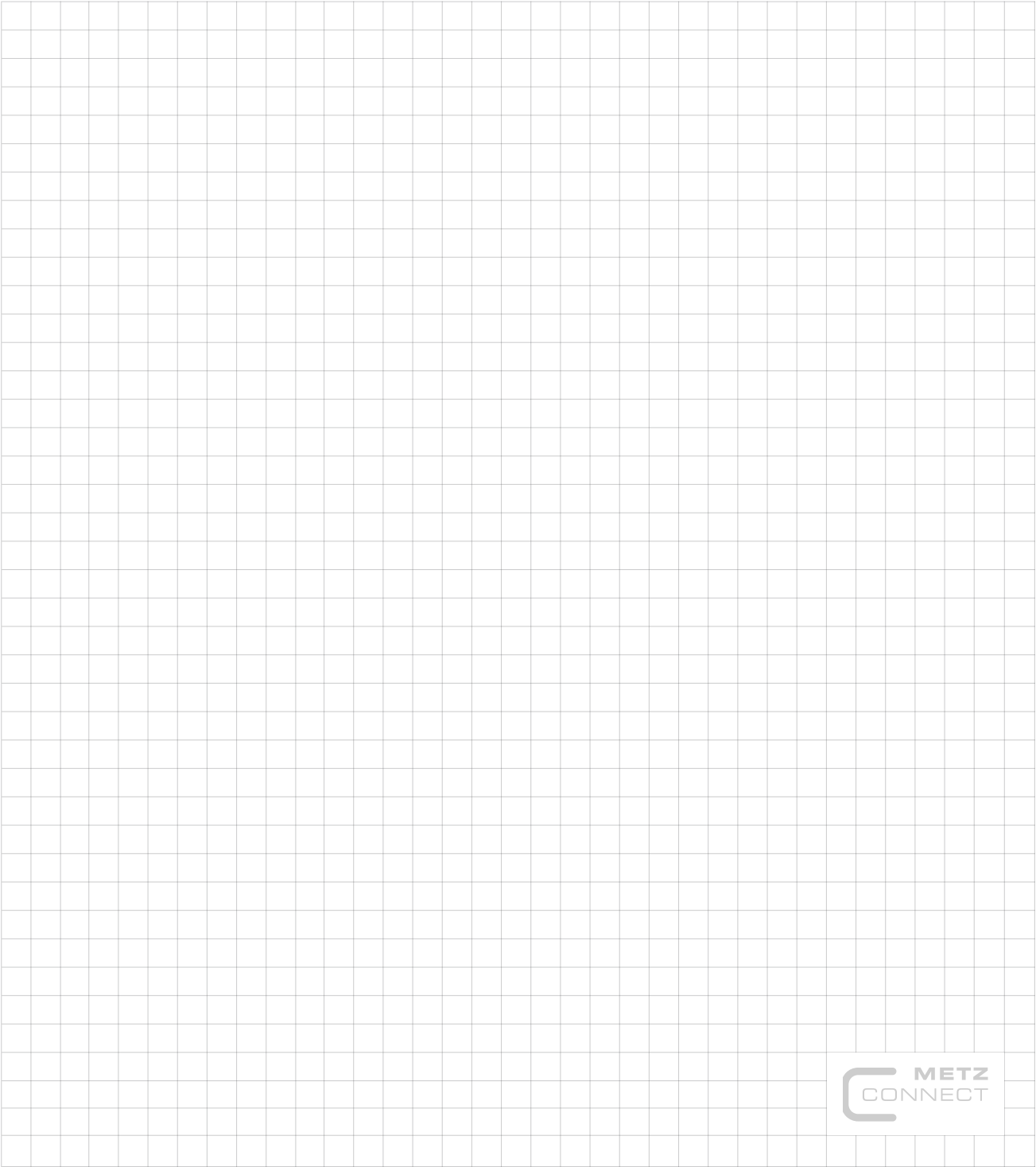
	DESCRIPTION	VARIANT	P/N
	M12 connector on-site mounting DNV	M12 Cat.6 _A connector, IP67 AWG 26-22/7; 26-22/1 Wire thickness up to 1.6 mm, cable thickness 5.0–9.7 mm	MNF881A315-DNV1

ADDITIONAL ACCESSORIES

	DESCRIPTION	VARIANT	P/N
	Cable connector Class F _A DNV	For cable repair, class F _A connector, AWG 26-22/7; 26-22/1, wire thickness up to 1.6 mm, cable thickness 5.0–9.7 mm	130863-02-DNV

Notes

																			
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



METZ CONNECT GmbH

Im Tal 2
78176 Blumberg
Germany

Phone +49 7702 533-0
Fax +49 7702 533-189

info@metz-connect.com
www.metz-connect.com

METZ CONNECT USA Inc.

200 Tornillo Way
Tinton Falls, NJ 07712
USA

Phone +1 732 389 1300
Fax +1 732 389 9066

METZ CONNECT France SAS

28, Rue Schweighaeuser
67000 Strasbourg
France

Phone +33 3886 17073
Fax +33 3886 19473

METZ CONNECT AUSTRIA GmbH

c/o German chamber of commerce
in Austria

Schwarzenbergplatz 5, Top 3/1
1030 Vienna

Austria

Phone +43 1 227 12 64
Fax +43 1 227 12 66

METZ CONNECT Zhongshan Ltd.

Ping Chang Road
Ping Pu Industrial Park
Sanxiang Town
Zhongshan City, 528463
Guangdong Province
China

Phone +86 760 86365055
Fax +86 760 86365050

METZ CONNECT Asia Pacific Ltd.

Suite 1803, 18/F
Chinachem Hollywood Centre,
1 Hollywood Road, Central
Hong Kong

Phone +852 26 027 300
Fax +852 27 257 522