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## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Kongsberg Maritime AS</b>
<b>Address</b>	Skonnertvegen 1, 7053 Ranheim, Norway
<b>Type</b>	Control Units
<b>Description</b>	High Speed I/O Module
<b>Trade Name</b>	HSIO-100-A, HSIO-100-B, HSIO-100-C
<b>Application</b>	Marine, offshore and industrial application for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1, July 2015.
<b>Specified Standard</b>	EN 60945: 2002 IEC60533: 2015 EN61000-6-1: 2007 EN61000-6-2: 2005 EN61000-6-3: 2007 + A1: 2011 EN61000-6-4: 2007 + A1: 2011 EN61326-1: 2013
<b>Ratings</b>	Power supply: 24 VDC Enclosure: IP 21



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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. HTS/ETS 39687-20/TW/HN and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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