



Lloyd's  
Register

## 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.*

This certificate is issued to:

<b>PRODUCER</b>	CREVIS Co., Ltd. 29-4, Gigok-ro, Yongin-si, Gyeonggi-do, Korea 446-930
<b>PLACE OF PRODUCTION</b>	CREVIS Co., Ltd. 29-4, Gigok-ro, Yongin-si, Gyeonggi-do, Korea 446-930
<b>DESCRIPTION</b>	Remote I/O System - FnIO R-Series
<b>TYPE</b>	System Model FnIO-R comprising:- Network Adapter : RN-9222, RN-9289 Digital Input : RT-1218, RT-1228, RT-1238 RT-125F, RT-126F, RT-12DF Digital Output : RT-2318, RT-2328 RT-225F, RT-226F Analog Input : RT-3114, RT-3134, RT-3154, RT-3214, RT-3234, RT-3254, RT-3424, RT-3444, RT-3464, RT-3624, RT-3644, RT-3664, RT-3118, RT-3138, RT-3158, RT-3218, RT-3238, RT-3258, RT-3428, RT-3448, RT-3468, RT-3628, RT-3648, RT-3668. Analog Output : RT-4114, RT-4214, RT-4134, RT-4234, RT-4154, RT-4254, RT-4424, RT-4624, RT-4444, RT-4644, RT-4464, RT-4664, RT-4524, RT-4544, RT-4564, RT-4118, RT-4218, RT-4138, RT-4238, RT-4158, RT-4258, RT-4428, RT-4628, RT-4448, RT-4648, RT-4468, RT-4668 Power Module : RT-7008, RT-7408, RT-7111, RT-7511 Common Noise Filter : NBH-06-432-D
<b>Certificate No.</b>	15/40006
<b>Issue Date</b>	23 January 2015
<b>Expiry Date</b>	23 January 2020
<b>Sheet</b>	1 of 2

G.H. Lee  
Busan Technical Support Office  
Lloyd's Register Asia

*Lloyd's Register Asia  
119, Daegyo-ro, Jung-gu, Busan*

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APPLICATION	Suitable for marine and offshore applications in environmental categories ENV2 and ENV3 as defined in LR Type Approval System, Test Specification No. 1 – July 2013. Generator Power Distribution Zone for Electromagnetic emission test.
ADDITIONAL TEST	Flammability Test (IEC 60695-11-5)
STANDARD	Manufacturer's Specifications; General Specification
RATING	Field power – 24Vdc, System power- 5Vdc
OTHER CONDITIONS	The type approval is only valid when the modules are mounted inside a standard metallic cabinet. The power supply port is to be equipped with common noise filter (model: NBH-06-432-D).  Suitability of the software and system configuration is subject to a separate plan appraisal according to the Lloyd's Register Rules and Regulations when placed on Lloyd's Register classed vessels.

*"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 Asia of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No.15/40006 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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