



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 supersedes certificate number 00/00156 (E1) issued on 11.12.2007. which is hereby cancelled.

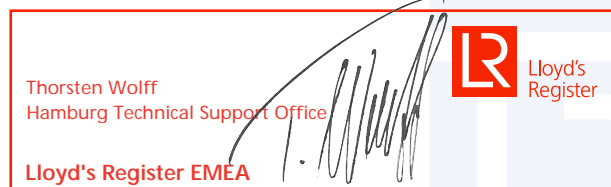
This certificate is issued to:

PRODUCER	Schneider Electric Industries S.A.S. Zone Industrielle BP660 16340 L'Isle d'Espagnac FRANCE
DESCRIPTION	Control and Signaling Units, 22mm Diameter
TYPE	Harmony, Metal : XB4BA, XB4BP, XB4BL, XB4BC, XB4BT, XB4BS, XB4BD, XB4BJ, XB4BG, XB4BV, XB4BW, XB4BK, XD4PA Harmony, Plastic: XB5AA, XB5AP, XB5AL, XB5AC, XB5AT, XB5AS, XB5AD, XB5AJ, XB5AG, XB5AV, XB5AW, XB5AK, XB5EV, XD5PA

Supply Voltage:

12V DC/AC; 50/60Hz; 18mA^①
24V DC/AC; 50/60Hz; 18mA^①
24V-120V DC/AC; 50/60Hz; 9mA^①
110-120V AC; 50/60Hz; 1.2W^{①③}
230-240V AC; 50/60Hz; 14mA^①
≤250V AC; 50/60Hz; max 2.4W^②
230V AC; 50Hz; 1.2W^③
220-240V AC; 60Hz; 1.2W^③
400V AC; 50Hz; 1.2W^③

Certificate No.	16/20077
Issue Date	27 July 2016
Expiry Date	26 July 2021
Sheet	1 of 3



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's
Register

TYPE cont.

- ①= with integral LED
- ②= direct supply to BA 9s Base
- ③= supply via integral transformer to BA 9s Base

APPLICATION

Marine, Industrial and Offshore applications for use in environmental category ENV 1, ENV 2, ENV 3 and ENV 5 as defined in LR's Type Approval Test Specification number 1, 1996 (for vibration test and humidity 2) and as defined in LR's Type Approval Test Specification number 1, 2015 (for remaining environmental tests) where the test specification is satisfactory for the intended purpose

ADDITIONAL TESTS

Enclosure : IP66 (when installed)
Rear Side: IP20
Low temperature test at - 25° C

STANDARD

IEC 60947-5-1:2003 + A1:2009
IEC 60947-5-5:2005

PLACE OF PRODUCTION

Schneider Electric France
Zone Industrielle No.3
16340 L'Isle d'Espagnac
France

Schneider Electric AS
Cizovska 447
397 01 Pisek
Czech Republic

PT. Schneider Electric Manufacturing Batam
Jl. Beringin Lot 04, Muka Kuning,
Batamindo Industrial Park
29433 Batam-Kepulauan Riau
Indonesia

Certificate No.

16/20077

Issue Date

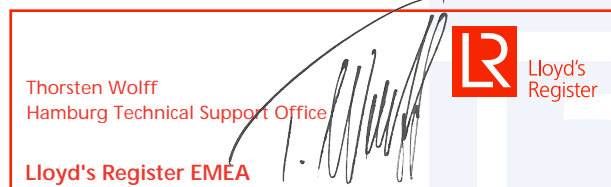
27 July 2016

Expiry Date

26 July 2021

Sheet

2 of 3



LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



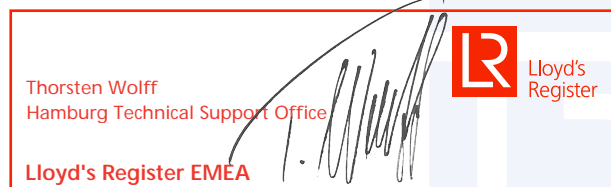
Lloyd's
Register

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 33958-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 16/20077
Issue Date 27 July 2016
Expiry Date 26 July 2021
Sheet 3 of 3



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.