

Type Approval Certificate Extension

This is to certify that Certificate No. 06/20041(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

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| PRODUCER | ROSE Systemtechnik GmbH |
| PLACE OF PRODUCTION | Erbeweg 13-15 32457 Porta Westfalica Germany |
| DESCRIPTION | Empty enclosures |
| TYPE | Aluminium standard enclosure system 01.xx xx xx Aluminium enclosure system 04.xx xx xx Aluminium enclosure system* 25.xx xx xx Polyester standard enclosure system 02.xx xx xx Polyester enclosure system* 26.xx xx xx Stainless steel enclosure system* 34.xx xx xx Stainless steel standard enclosure system 37.xx xx xx xx xx xx: Size (mm) for width, length and height * Ex-variants |
| APPLICATION | Marine, offshore an industrial use. |
| STANDARD | IEC 60529 - Degrees of protection provided by enclosures (IP Code) UL 94 - Test for Flammability of Plastic Materials for Parts in Devices and Appliances EN 60079-0 - Explosive atmospheres - Part 0: Equipment - General requirements EN 60079-7 - Explosive atmospheres - Part 7: Equipment - Protection by increased safety "e" |
| Certificate No. | 06/20041 (E2) |
| Issue Date | 02 July 2013 |
| Expiry Date | 19 September 2016 |
| Sheet | 1 of 3 |


Martin Lange

Hamburg Design Support Office
Lloyd's Register EMEA

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

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| DESIGN CODE | Manufacturer's catalogue 812020 06/10 "Industrial Enclosures"; Manufacturer's catalogue 812080 "Stainless Steel Enclosure"; Manufacturer's catalogue 812040 "Ex-Equipment" |
| RATINGS | Aluminium standard enclosure system 01.xx xx xx: Size from 45 x 50 x 30 mm to 600 x 600 x 200 mm Ingress protection: IP66 Aluminium enclosure system 04.xx xx xx: Size from 80 x 80 x 80 mm to 200 x 280 x 70 mm Ingress protection: IP66 Aluminium enclosure system 25.xx xx xx: Size from 64 x 58 x 34 mm to 600 x 600 x 227 mm ⊕ II 2 G Ex e IIC Gb; ⊕ II 2 D Ex tb IIIC Db IP66 (Certificate PTB 98 ATEX 3101 U) Polyester standard enclosure 02.xx xx xx: Size from 55 x 55 x 37 mm to 405 x 400 x 120 mm Ingress protection: IP66 Polyester enclosure system 26.xx xx xx: Size from 80 x 75 x 56,5 mm to 540 x 405 x 135 mm ⊕ II 2 G Ex e IIC Gb; ⊕ II 2 D Ex tb IIIC Db IP66 (Certificate PTB 01 ATEX 1061 U) Stainless steel EX enclosure system 34.xx xx xx: Size from 100 x 100 x 60 mm to 1200 x 2000 x 500 mm ⊕ II 2 G Ex e IIC Gb; ⊕ II 2 D Ex tb IIIC Db IP66 (Certificate PTB 00 ATEX 1101 U) Stainless steel standard enclosure system 37.xx xx xx: Size from 100 x 100 x 60 mm to 1200 x 2000 x 500 mm Ingress protection: IP66 |

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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 attached Design Appraisal Document No. HDS/ETS 28425-13 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 06/20041(E1) to which this extension should be attached.

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