



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>	Dietzel GmbH 1. Haidequerststrasse 3-5 1110 Vienna Austria
<b>DESCRIPTION</b>	Halogenfree cable management systems
<b>TYPES</b>	HFIRM-Turbo 16, 20, 25, 32, 40, 50 Halogenfree rigid electrical conduits, light gauge HFPRM Turbo 16, 20, 25, 32, 40, 50, 63 Halogenfree rigid electrical conduits, medium gauge HFBS Turbo 16, 20, 25, 32, 40, 50 Halogenfree rigid electrical conduits, heavy gauge HFXS 16, 20, 25, 32, 40, 50, 63 Halogenfree flexible electrical conduits, light gauge HFXP Turbo 16, 20, 25, 32, 40, 50, 63 Halogenfree pliable electrical conduits, medium gauge HFXP-HT 16, 20, 25, 32, 40, 50, 63 Halogenfree pliable electrical conduits, medium gauge PKG100, 200, 300: Halogenfree adaptable boxes HF16SM 16, 20, 25, 32, 40, 50, 63: Halogenfree couplers HF16SB 16, 20, 25, 32, 40, 50, 63: Halogenfree normal bends
<b>APPLICATION</b>	Suitable for marine, offshore and industrial use
<b>Certificate No.</b>	08/20003(E2)
<b>Issue Date</b>	02 Mai 2018
<b>Expiry Date</b>	10 January 2023
<b>Sheet</b>	1 of 2

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



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Hamburg Technical Support Office  
Lloyd's Register EMEA

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**STANDARDS**

EN 61386-21: 01-2012, EN 61386-22: 01-2012, EN 61386-23: 01-2012,  
EN 60670-1: 07-2009, EN 60670-22: 09-2007  
IEC 60754: 10-2015

*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 36845-1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

**Certificate No.** 08/20003(E2)  
**Issue Date** 02 Mai 2018  
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**Sheet** 2 of 2

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**Lloyd's Register EMEA**  
LR031.1.2013.12

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# Design Appraisal Document

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Date  
**02 May 2018**

Please quote this reference number on all future communications  
**HPC1862005/36845-18/JK/LK**

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2014  
ISSUED TO: DIETZEL GMBH, VIENNA - AUSTRIA  
FOR: HALOGENFREE CABLE MANAGEMENT SYSTEMS  
TYPE APPROVAL CERTIFICATE NO. 08/20003(E2)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System Procedure TA14 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

unnumbered	Application checklist	19.01.2018
FORM- PQA	Production Quality Assessment PQA	06.04.2018
HDS/ETS 28361-13	Marine Design Appraisal Document HPC 1320053	18.06.2013
02_HFT	Catalogue halogenfree conduits	2018
03_protective- conduits_neu	Catalogue protective conduits	2018
04_boxes	Catalogue boxes	2018
Unnumbered	List of equipment	2018

## TEST REPORTS

TGM-VA EE 36050 SFT	Test report HFXP	09.06.2015
TGM-VA BS 5044	Prüfbericht tgm, HFMS6 HFBS	16.01.2017
TGM-VA BS 5045	Prüfbericht tgm, HFXP HT	16.01.2017
241025-EC3-1	VDE Prüfbericht HFXS	30.08.2017
232793-EC3-3	VDE Prüfbericht HFIRM	19.01.2017
EC3-3-189333	VDE Prüfbericht HFBS Turbo	05.11.2013
NTR/AT 1832	CCA Notification of test result HFIR-Turbo	30.06.2010
TGM_VA EE 34134 SFT	ÖVE test report HFPR-Turbo	27.01.2012
TGM-VA EE 36050 SFT	ÖVE test report HFXP-Turbo	09.06.2015
NTR/AT 1747	CCA Notification of test result HFXS	25.09.2008
TGM-VA EE 36665 SFT	ÖVE test report HFX-Turbo	26.01.2017
TGM-VA EE 31739 SFT	ÖVE test report KM, HM	26.02.2009
TGM-VA EE 32822 SFT	ÖVE test report PKG 100 ff	24.03.2011
NTR/AT 1735	CCA Notification of test result HFXP-HT	15.09.2008

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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TGM-VA EE 35528 SFT	ÖVE test report HFBS- Turbo	24.01.2014
69-110-19	ÖVE Zertifikat PKG 100ff	06.02.2018
69-216-02	ÖVE Zertifikat HFBS-Turbo ...	06.02.2017
69-202-04	ÖVE Zertifikat HFIR-Turbo ...	06.02.2017
69-201-15	ÖVE Zertifikat HFPR-Turbo ...	06.02.2017
69-178-12	ÖVE Zertifikat HFSB-Turbo ...	23.03.2017
69-165-15	ÖVE Zertifikat HFXP-Turbo ...	06.02.2017
69-203-05	ÖVE Zertifikat HFXP-Turbo ...	06.02.2017
69-199-04	ÖVE Zertifikat KM...	23.03.2017



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### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

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

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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**Part 1**

**Subject: Electrical Equipment (Not Environmentally Tested)**

**Product: Enclosure Systems**

Producer/Licence No.	Description of Product				Cert. No.
	Type	Details of Approval	Application	Remarks	
<b>Dietzel GmbH</b> <b>1. Haidequerstrasse 3-5</b> <b>1110 Vienna</b> <b>Austria</b>		Halogenfree cable management systems	Suitable for marine, offshore and industrial use.	Expires on: 10 January 2023  Comply with: EN 61386-21: 01-2012, EN 61386-22: 01-2012, EN 61386-23: 01-2012, EN 60670-1: 07-2009, EN 60670-22: 09-2007, IEC 60754:10-2015	08/20003 (E2)
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LR031.1.2013.12