

LR Type Approval Certificate Extension

This is to certify that Certificate No. 04/20013 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	WAGO Kontakttechnik GmbH & Co. KG
PLACE OF PRODUCTION	Hansastraße 27 32423 Minden Germany
DESCRIPTION	Push-wire connectors
TYPES	222 Series 222-4X2, 222-4X3, 222-4X4, 222-4X5 X = colour code, all colours covered 224 Series 224-101, -104, -112, -114, -201 243 Series 243-204, -804, -208, -808, -144, -304, -504, -308, -508 273 Series 273-100, -101, -155, -108, -158, -112, -252, -104, -253, -102, -254, -105, -255, -103, -258, -403, -453 773 Series 773-102, -104, -106, -108, -112, -114, -116, -118, -202, -204, -206, -208, -212, -214, -216, -218, -302, -304, -306, -308, -312, -314, -316, -318 -402, -404, -406, -408, -412, -414, -416, -418
Certificate No.	04/20013 (E3)
Issue Date	30 July 2009
Expiry Date	15 February 2014
Sheet	1 of 2



Hamburg Design Support Centre
Lloyd's Register EMEA

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

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV 1, ENV 2 and ENV 3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1- 2002

STANDARDS

IEC 60998-2-2:2002, EN 60998-1:2004
EN 60998-2-2:2004

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

The attached Design Appraisal Document No. ETS 21520-09 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 04/20013 (E2) to which this extension should be attached.

Certificate No.	04/20013 (E3)
Issue Date	30 July 2009
Expiry Date	15 February 2014
Sheet	2 of 2



Jochen Körner
Hamburg Design Support Centre
Lloyd's Register EMEA

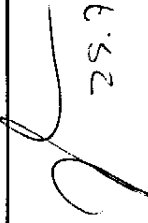
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Part 2

Terminals / Insulators

Producer/ Licence No.	Type	Standard	Rating			Category/ Additional Tests	Remarks	Cert. No
			Voltage	Continuous Current Amperes	Maximum Conductor Size mm ² AWG			
WAGO Kontakttechnik GmbH & Co. KG Hansastraße 27 32423 Minden Germany	Push- wire connectors	IEC 60998-2-2:2002, EN 60998-1:2004 EN 60998-2-2:2004	450V	32	0.5-4.0	ENV1, ENV2, ENV3 (2002)	Expires: 15 February 2014 Solid wires, Strand wires (7 strands) Flexible wires/cables	04/20013 (E3)
	222 Series 222-4X2, 222-4X3, 222-4X4, 222-4X5 X = colour code, all colours covered							
	224 Series 224-101, -104, -112, -114, -201		400V	24	2.5		Solid wires	
	243 Series 243-204, -804, -208, -808, -144, -304, -504, -308, -508		100V	6	0.5-0.75		"	
	273 Series 273-100, -101, -155, -108, -158,		400V		1.5		"	
	273-112, -252, -104, -253, -102, -254, -105, -255, -103, -258,		400V	24	2.5		"	
	273-403, -453		400V	32	4		"	
	773 Series 773-102, -104, -106, -108, -112, -114, -116, -118, -202, -204, - 206, -208, -212, -214, -216, -218, -302, - 304, -306, -308, -312, -314, - 316, -318 -402, -404, -406, -408, -412, - 414, -416, -418		400V	24	0.75-2.5		"	
					1.5-2.5		Strand wires (7 strands)	

 29.7.09



Marine Design Appraisal Document

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Date
30 July 2009

Quote this reference on all future communications
HPC 0920174/21520-09/JK/hu

**THE LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002
ISSUED TO: WAGOKONTRAKTTECHNIK GMBH & CO. KG
FOR: PUSH-WIRE CONNECTORS
TYPES: 22X SERIES
TYPE APPROVAL CERTIFICATE NO. 04/20013 (E3)**

The additional undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the certificate.

APPROVAL DOCUMENTATION

unnumbered WAGO letter 16.03.2009

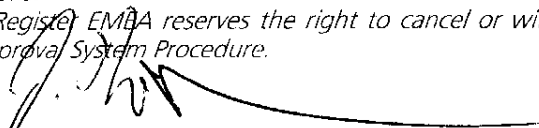
Supplementary Type Approval Terms and Conditions

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.


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

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