

Type Approval Certificate Extension

This is to certify that Certificate No. 10/20046 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	DURAG GmbH	
PLACE OF PRODUCTION	Kollastrasse 105 22453 Hamburg Germany	
DESCRIPTION	Compact Flame Monitor	
TYPES	D-LX 200 (X) - (Y) (Z)	Compact flame monitoring device equipped with a lens system to gather information about the incoming light.
	D-LX 720 (X) - (Y) (Z)	Compact flame monitoring device suitable to special customized fibre optics.
	(X):	Spectral Range
	UA	190nm...520nm
	UAF	280nm...410nm
	IG	780nm...1800nm
	(Y):	Approvals
	10	CE
	20	CE + SIL3
	30	FM
	40	FM + SIL3
Certificate No.	10/20046 (E1)	
Issue Date	10 August 2011	
Expiry Date	23 November 2015	
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 Lloyd's Register EMEA

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Types continue

(Z):	n.a. /MP	Additional type designation cable gland metal plug
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APPLICATION Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – 2002.

ADDITIONAL TESTS IP65 (in accordance with DIN EN 60529) for metal plug (/MP)
IP66/68 (in accordance with DIN EN 60529) for cable gland

DESIGN CODES Manufacturer's specification
EN 55011 A2 (2007)
EN 298 (2003)
EN 60730-1 (2002)
EN 60079-0 (2007)
EN 230 (2005)
Functional Safety: EN 61508-1...-7

RATINGS 24 VDC ±20%
5 W
0/4...20mA (analogue output)

OTHER CONDITIONS Examination of software aspects is restricted to functional operation as demonstrated in the performance test.
Final functional arrangements are to comply with appropriate Lloyd's Register Rules and will be subject of the Plan Approval process.

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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. ETS 25333-11 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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