Physical Technical Testing Institute

Ostrava-Radvanice

(1)

EC-Type Examination Certificate

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 08 ATEX 0188X

(4) Equipment or protective system: **Flameproof fluorescent luminaire type RLF 250../..N2/6**

(5) Manufacturer **COOPER CROUSE HINDS GmbH**

(6) Address: **Neuer Weg Nord 49, 69412 Eberbach, Germany**

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

08/0188 dated 24 June 2008

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 60079-0:2006; EN 60079-1:2004; EN 60079-7:2006; EN 60079-18:2004

EN 61241-0:2006; EN 61241-1:2004

(10) If the sign „X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.

(12) The marking of the equipment or protective system shall include following:

II 2G Ex de mb IIC T4
II 2D Ex tD A21 T 60°C

This EC-Type Examination Certificate is valid till: **30.06.2013**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

PHYSICAL-TECHNICAL TESTING INSTITUTE FTZÚ Ex AO 210 NB 1026

Date of issue: 26.06.2008

Number of pages: 3
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(13) **Schedule**

(14) EC-Type Examination Certificate N° FTZÚ 08 ATEX 0188X

(15) Description of Equipment or Protective System:

A type RLF 250../..N2/6 fluorescent luminaire which is designated for non-maintained or maintained emergency lighting, with degree of protection IP 65 is composed of two parts of the enclosure comprises a body manufactured from varnished steel plate or stainless steel plate, and the light transmitting cover made from safety toughened glass of the thickness 5mm, which are mutually fixated through EPDM gasket by sealed steel screws. On the opposite sides of the body are holes to accept certified cable glands (resp. cable plug) at design EEx e II. Inside of the enclosure is on the varnished steel plate reflector installed three-pole (or five-pole) terminal block WAGO type 262-284, (262-285) or 262-234, (262-235) at design EEx e II (PTB 98 ATEX 3125U), for connection of the cable conductors to 4mm^2, the couple of lampholders type G13 at design Ex e II in compliance with used number of the lamps, one or two certified electronic ballasts with emergency module and the certified flameproof battery. The luminairie also contains two off-load switches BARTEC type 07-1544 (PTB 99 ATEX 1011U) at design EEx d IIC. As the light sources are used Bi-pin fluorescent lamps type G13-81-IEC 2;3;4 x 18W; 2;3;4 x 36W or 2;3;4 x 58W for nominal voltage 230V/50-60Hz.

Operating temperature is from -5°C to +40°C.

(16) Report No. : 08/0188 24.06.2008

(17) Special conditions for safe use:

The type luminaire without installed off-load switch must be labelled "Do not open when energized".

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ-TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ Ex AO 210 NB 1026

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(13) **Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 08 ATEX 0188X**

(19) **LIST OF DOCUMENTATION**

➢	Drawings No.:	3481-5-98-1_2	03.05.2004	rev. 15.12.2007
		3481-0-14-1	26.02.2004	
		3481-0-14-2	26.02.2004	
		3481-5-59-2	03.05.2004	
		3848-0-06-1	19.07.2006	
		3841-0-06-1	19.07.2006	
		3849-0-06-1	19.07.2006	
		3840-0-06-1	19.07.2006	
		3481-5-98-1_1	03.05.2004	rev. 15.12.2007
		32283000056_PZ	13.06.2008	
➢	Technical description:		03.05.2004	rev. 05.12.2007
➢	User manual:			2 pages
➢	Technical conditions:		05.12.2007	2 pages
➢	Certificates No.:	Nemko 02 ATEX 329U	01.04.2003	lampholder G13
		PTB 99 ATEX 1011U	15.04.1999	off-load switch
		Nemko 03 ATEX 204U	13.05.2003	electronic ballast
		Nemko 03ATEX 203U	13.05.2003	emergency module
		PTB 98 ATEX 3125U	09.10.1998	terminal block
		PTB 99 ATEX 3112X	10.11.1999	cable glands
		PTB 98 ATEX 3109	17.04.1998	cable glands
		PTB 99 ATEX 3128X	20.11.1998	cable glands
		PTB 02 ATEX 1115X	17.10.2002	cable glands
		FTZÚ 05 ATEX 0286X	14.02.2006	battery
		FTZÚ 04 ATEX 0145U	26.05.2005	electronic ballast
		FTZÚ 04 ATEX 0144U	15.09.2005	lampholder G13
		FTZÚ 04 ATEX 0146U	08.08.2005	emergency module

Responsible person:

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