



Product Certificate K-0212315/02

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Replaces K-0212315/01

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Product : DSPA UAS & SCR

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

DSPA B.V.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with the international Kiwa TIC - scheme **BRL-K21045** "Fire protection Systems" dated [02-03-2020] inclusive Specific Certification Program for Control & Indicating Equipment and Control for automatic fire protection equipment and Fire Protection Systems based on Solid Bound Compound (SBC) - generators.

Ron Scheepers
Country manager Kiwa Nederland

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

DSPA UAS & SCR

GENERAL

Fire Protection Systems (FPS) can be based on components being generators containing a Solid Bound Compound (SBC). This SBC is base material for the extinguishing medium. To activate the Fire Protection System should the SBC be expelled out of the generator in a physical form designed to extinguish or control the fire.

This first activation of the generator is an activation element that produces heat in short period to start up the process of the SBC in another physical composition.

For this needs the activation element a short electrical power pulse.

A Fire Protection System needs a proper Fire Detection System (FDS). The standard for this central and indication equipment of the Fire Detection System is the "EN54-2 - Fire detection and fire alarm systems - Part 2: Control and indicating equipment".

Other elements of the Fire Detection System are arranged in the EN54-xx series.

It is also possible to use the EN12094-1 for the control and indicating equipment of the Fire Detection System. The "EN12094-1 - Fixed firefighting systems - Components for gas extinguishing systems - Part 1: Requirements and test methods for electrical automatic control and delay devices" is specific designed for gas extinguishing systems that needs mostly 1 electrical valve for the activation of this type of Fire Protection System.

SPECIFIC CERTIFICATION PROGRAM (SCP) 04

The SCP04 – K21045 sets additional requirements for Central Processor (CIE) or electrical automatic control and delay devices (EAC&DD) system for Fire Protection Systems based on Solid Bound Compound (SBC) -generators.

These are needed because the activation and monitoring of these generators requires specific arrangements.

TIC – scheme K21045 sets general requirements for Fire Protection Systems.

CONDITIONS FOR APPLICATION

Before usage of this product is an instruction is to be given by a trainer or instructor for this product authorized by the supplier & manufacturer.

This product has to used in context with the installation and maintenance of the fire extinguishing components have to take place according to the specifications of the supplier & manufacturer based on ISO15779, EN 15276-1 & -2 and TIC scheme K21045 scope E. For specific details regarding the owner's manual, see ISO15779 and EN15276-1 & -2.

PRODUCT

The technical approval is about the following products:

UAS = Universal Activation System with manual V1.03.

SCR = Simple Current regulator with data sheet V1.02.

These products have the function of an interface between the electrical automatic control and delay device based on EN12094-1 and the solid bound compound (SBCC) generators needed for the fire protection.

The basic functions of the interface are following:

- Enabling the activation of the SBC - generators in squeeze with adequate power based on the initiation signal of the connected electrical automatic control and delay device;
- Enabling and relaying faults in the electrical circuit for the SBC – generators to the connected electrical automatic control and delay device.

The interfaces complies with EN54-18 - Fire detection and fire alarm systems - Part 18: Input/output devices.

Limitation of scope: the UAS and SCR shall be affixed directly on the generator itself without external cabling.

FIRE DETECTION SYSTEM

Fire detection systems shall be designed to meet the requirements related to the activation of the SBC generator(s).

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MARKING

Certification Mark



The certified products shall be indelible marked with the certification mark according to schema K21045.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the process / products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- DSPA B.V.

and, if necessary,

- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.