

im. Józefa Tuliszkowskiego - PAŃSTWOWY INSTYTUT BADAWCZY

Jednostka Certyfikująca / Certification Department

ul.. Nadwiślańska 213, 05-420 Józefów



NATIONAL CERTIFICATE OF CONSTANCY OF PERFORMANCE No. 063-UWB-0397

In accordance with the Regulation of the Ministry of Infrastructure and Construction of 17 November 2016 on how to declare the performance of construction products and how to label them with a construction mark (Polish Journal of Laws: Dz. U. z 2016 r. poz. 1966), this certificate relates to a construction product:

Fire detector – for use in construction objects – Resettable line-type heat detector type ProReact EN Analogue

<for levels and classes of performance as well as the description and conditions for using the construction product, see the next page(s) of the certificate>

covered by the Polish Standard for the product:

PN-EN 54-22+A1:2020-07 Fire detection and fire alarm systems

– Part 22: Resettable line-type heat detectors

placed on the market under the manufacturer's name or trademark:

Thermocable Flexible Elements Ltd
Pasture Lane
BD14 6LU Bradford, West Yorkshire, Great Britain

and manufactured in a manufacturing plant:

Thermocable Flexible Elements Ltd
Pasture Lane
BD14 6LU Bradford, West Yorkshire, Great Britain

This certificate confirms that all provisions, resulting from 1 national system, related to the assessment and verification of constancy of performance, in relation to the declared performance of the product related to its intended use, specified in this certificate, are applied and that:

The manufacturer has implemented the system of factory production control to ensure that this performance is maintained.

This certificate, issued for the first time on 31.01.2022, remains in force until 30.01.2032, provided that the Manufacturer complies with the requirements contained in the agreement No. 8/DC/B/2022 of 31.01.2022 and until the applied national technical assessment of the product, methods of assessment and verification of constancy of performance, the construction product itself and the conditions for its production will not change, and that it will not be suspended or withdrawn by an accredited product certification body.

Certificate issue number: 01 Issue date: 31.01.2022

The validity of this certificate may be confirmed on the Institute's website at www.cnbop.pl or by telephone: 22 769 33 47

MANAGER

OF THE CERTIFICATION DEPARTMENT

DIRECTOR OF CNBOP-PIB

st. bryg. Paweł Janik, PhD Eng.

pp. Deputy Manager of the Certification Department Ewa Sobór, M.Sc. Eng.

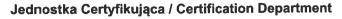
This document was originally translated from Polish to English on 17 February 2022.

In case of conflict between the national certificate of constancy of performance and this translation, the Polish document shall be binding.

DC/29a/14_01_2021 Pages 4



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Performance	Chapter PN-EN 54-22+A1:2020-07	Level, class
General	4.1	fulfil
Individual alarm indication	4.2.1	fulfil
Signalling	4 2 2	fulfil
Repeatability	4.2.3	fulfil
Reproducibility	4 2 4	fulfil
Connection of ancillary devices	4.3.1	fulfil
Manufacturer's adjustments	4 3 2	fulfil
Requirements for software controlled detectors	4 3 3	fulfil
Sensing element fault	4.3.4	fulfil
On-site adjustment of response behaviour	4 3 5	fulfil
Maximum ambient temperature test (sensing element)	4 3 6	fulfil
Variation in supply parameters	4.4.1	fulfil
Low voltage fault	4 4 2	fulfil
Fire sensitivity for room protection application	4 5 1	fulfil
Static response temperature test	4.5.2	fulfil
Ory heat (operational) sensor control unit	4.6.1.1	fulfil
Dry heat (endurance) for sensor control unit and sensing element	4.6.1.2	not applicable

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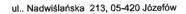
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Levels and classes of performance as well as the description and conditions for using the construction product:		
Performance	Chapter PN-EN 54-22+A1:2020-07	Level, class
Cold (operational) for sensing element	4.6.1.3	fulfil
Cold (operational) for sensor control unit	4.6.1.4	fulfil
Damp heat, steady state (endurance) for sensor control unit and sensing element	4621	fulfil
Damp heat, cyclic (operational) for sensing element	4 6 2.2	fulfil
Damp heat, cyclic (operational) for sensor control unit	4 6 2 3	fulfil
Damp heat, steady state (operational) for sensor control unit	4 6 2 4	not applicable
Damp heat, cyclic (endurance) for sensor control unit and sensing element	4 6 2 5	not applicable
Shock (operational) for sensor control unit	4 6 3 1	fulfil
Impact (operational) for sensor control unit	4 6 3 2	fulfil
Impact (operational) for sensing element	4633	fulfil
Vibration, sinusoidal (operational) for sensor control unit	4 6 3 4	fulfil
Vibration, sinusoidal (operational) for sensing element	4 6 3 5	fulfil
Vibration, sinusoidal (endurance) for sensor control unit	4 6 3 6	fulfil
Vibration, sinusoidal (endurance) for sensing element	4637	fulfil
Sulphur dioxide (SO ₂) corrosion (endurance) for sensing element	4.6.4.1	fulfil
Sulphur dioxide (SO ₂) corrosion (endurance) for sensor control unit	4642	fulfil
Electromagnetic compatibility (EMC), immunity tests (operational)	4.6.5 1	fulfil

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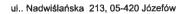
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Description of the product		
Туре:	ProReact EN Analogue	
Maximum length of the detection cable:	500 m	
Enclosure material	plastic material – ProReact EN Analogue Composite control module Control Unit (PACC) metal – ProReact EN Analogue End-of-line Unit	
Dimensions (width x height x length):	182 x 180 x 90 [mm] – ProReact EN Analogue Composite control module Control Unit (PACC); 100 x 60 x 35 [mm] – ProReact EN Analogue End-of-line Unit	
Mass:	(946)	
Working temperature range:	- 10°C ÷ + 55°C	
Environmental group:	II	
Working voltage range:	20 ÷ 30 V DC	
Current consumption in the quiescent mode:	31 mA for 20 V DC 20 mA for 30 V DC	
Current consumption during fire alarm:	85 mA for 20 V DC 59 mA for 30 V DC	
Current consumption when fault is signalled	in the second se	
Detection cable type:	sensor cable: ProReact EN Analogue PVC (F3050), ProReact EN Analogue Nylon (F3051), ProReact EN Analogue PVC and Stainless Steel (F3052)	
Laser power (class):	***	
Measurement line topology:	(322)	
Measurement resolution:	50 ÷ 500 m – A1I, A2I heat response class 30 ÷ 500 m – BI heat response class	
Heat response class (room protection application):	A1I, A2I	
Heat response class (local protection application):	ВІ	
Software version:	0419001	

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