




Date: April 6, 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 723/BA/22 2. 596/BA/17 3. 366/BA/17 4. 854/BA/21 5. Protocol no. 854/BA/21	CERTIFICATE NUMBER	DC - UAE - 0247
DATE OF ISSUE	1. February 17, 2023 2. July 6, 2018 3. November 17, 2017 4. September 30, 2021 5. July 13, 2021 August 3, 2021 August 9, 2021 October 21, 2021	DATE OF ISSUE	April 6, 2023
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	April 5, 2033
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	POLON-ALFA S.A.	NAME OF THE BRAND	POLON-ALFA
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	MODEL / NO	DUT-3000AD
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+48 52 36 39 278	EMAIL	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl





Product Details From Test Report		Reference Test Report Page No.																																																																																							
DESCRIPTION OF THE PRODUCT	Smoke and heat detector type DUT-3000AD with socket G-40S, sounder and short-circuit isolator (Detailed specification below)	3 (723/BA/22)																																																																																							
TESTS STANDARD	EN 54-3:2001+A1:2002+A2:2006 Fire detection and fire alarm systems – Part 3: Fire alarm devices – Sounders EN 54-5:2017+A1:2018 Fire detection and fire alarm systems – Part 5: Heat detectors – Point heat detectors EN 54-7:2018 Fire detection and fire alarm systems – Part 7: Smoke detectors – Point smoke detectors that operate using scattered light, transmitted light or ionization EN 54-17:2005+AC:2007 Fire detection and fire alarm systems – Part 17: Short-circuit isolators	10 (723/BA/22) 7 (596/BA/17) 7 (854/BA/21)																																																																																							
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounders, heat detector, point detectors using scattered light, transmitted light or ionization and short-circuit isolators	10 (723/BA/22) 7 ÷ 8 (596/BA/17)																																																																																							
SPECIFICATION OF TEST SPECIMEN	<table border="1"> <tr><td>Type:</td><td>DUT-3000AD</td></tr> <tr><td>Detachable detector:</td><td>yes</td></tr> <tr><td>Connection of ancillary devices:</td><td>yes</td></tr> <tr><td>On-site adjustment of response behaviour:</td><td>yes</td></tr> <tr><td>Fire sensitivity:</td><td>TF2, TF3, TF4, TF5</td></tr> <tr><td>Protection against the ingress of foreign bodies:</td><td>Detector is designed that a sphere of diameter (1,3 ± 0,05) mm cannot pass into the sensor chamber.</td></tr> <tr><td>Classification of the detector according to EN 54-5:</td><td>A1R</td></tr> <tr><td>Sound level (1m) [dB]:</td><td>77,4 ÷ 89,3</td></tr> <tr><td>Frequency and sound pattern:</td><td>4000 Hz for 500ms, then 500 ms break</td></tr> <tr><td>Voice sounder:</td><td>no</td></tr> <tr><td>Message synchronization:</td><td>not applicable</td></tr> <tr><td>Type of work environment:</td><td>A</td></tr> <tr><td>IP protection:</td><td>21 C</td></tr> <tr><td>Type of installation:</td><td>surface ceiling mounted</td></tr> <tr><td>Supply voltage [V DC]:</td><td>16,5 ÷ 24,6</td></tr> <tr><td>Quiescent current [A]:</td><td>0,001</td></tr> <tr><td>Alarm current [A]:</td><td>0,001 0,021 during LED flash in detector</td></tr> <tr><td>Maximum voltage at which the device isolates [V DC]:</td><td>6</td></tr> <tr><td>Minimum voltage at which the device isolates [V DC]:</td><td>3</td></tr> <tr><td>Maximum voltage at which the device reconnects [V DC]:</td><td>24,6</td></tr> <tr><td>Minimum voltage at which the device reconnects [V DC]:</td><td>16,5</td></tr> <tr><td>Programming address:</td><td>from control and indicating equipment (CIE)</td></tr> <tr><td>Operating temperature [°C]:</td><td>-10 ÷ +55</td></tr> <tr><td>Material of housing:</td><td>plastic material</td></tr> <tr><td>Dimensions [mm]:</td><td>Ø 115 x 56 (with a socket)</td></tr> <tr><td>Mass [g]:</td><td>200</td></tr> </table>	Type:	DUT-3000AD	Detachable detector:	yes	Connection of ancillary devices:	yes	On-site adjustment of response behaviour:	yes	Fire sensitivity:	TF2, TF3, TF4, TF5	Protection against the ingress of foreign bodies:	Detector is designed that a sphere of diameter (1,3 ± 0,05) mm cannot pass into the sensor chamber.	Classification of the detector according to EN 54-5:	A1R	Sound level (1m) [dB]:	77,4 ÷ 89,3	Frequency and sound pattern:	4000 Hz for 500ms, then 500 ms break	Voice sounder:	no	Message synchronization:	not applicable	Type of work environment:	A	IP protection:	21 C	Type of installation:	surface ceiling mounted	Supply voltage [V DC]:	16,5 ÷ 24,6	Quiescent current [A]:	0,001	Alarm current [A]:	0,001 0,021 during LED flash in detector	Maximum voltage at which the device isolates [V DC]:	6	Minimum voltage at which the device isolates [V DC]:	3	Maximum voltage at which the device reconnects [V DC]:	24,6	Minimum voltage at which the device reconnects [V DC]:	16,5	Programming address:	from control and indicating equipment (CIE)	Operating temperature [°C]:	-10 ÷ +55	Material of housing:	plastic material	Dimensions [mm]:	Ø 115 x 56 (with a socket)	Mass [g]:	200	3 ÷ 7 (723/BA/22) 3 ÷ 5 (596/BA/17)																																			
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EN 54-3	Sound level	PASS																																																																																							
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EN 54-3 - EN 60529	Enclosure protection	PASS																																																																																							



TESTS RESULTS	EN 54-5	Position of heat sensitive element	PASS	12 ÷ 14 (723/BA/22) 24 ÷ 37 (596/BA/17) 42 ÷ 71 (854/BA/21)
	EN 54-5	Individual alarm indication	PASS	
	EN 54-5	Connection of ancillary devices	PASS	
EN 54-5	Monitoring of detachable point heat detectors	PASS		
EN 54-5	Manufacturing adjustments	NOT APPLICABLE		
EN 54-5	On-site adjustment of response behaviour	NOT APPLICABLE		
EN 54-5	Software controlled detector (when provided)	PASS		
EN 54-5	Directional dependence	PASS		
EN 54-5	Static response temperature	PASS		
EN 54-5	Response times from typical application temperature	PASS		
EN 54-5	Response times from 25°C	NOT APPLICABLE		
EN 54-5	Response times from high ambient temperature	PASS		
EN 54-5	Reproducibility	PASS		
EN 54-5	Additional test for suffix S point heat detectors	NOT APPLICABLE		
EN 54-5	Additional test for suffix R point heat detectors	PASS		
EN 54-5	Variation in supply parameters	PASS		
EN 54-5 - EN 60068-2-1	Cold (operational)	PASS		
EN 54-5 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE		
EN 54-5 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS		
EN 54-5 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS		
EN 54-5 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS		
EN 54-5 - EN 60068-2-6	Shock (operational)	PASS		
EN 54-5	Impact (operational)	PASS		
EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		
EN 54-5 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS		
EN 54-7	Individual alarm indication	PASS	11 ÷ 12 (723/BA/22) 11 ÷ 23 (596/BA/17) 72 ÷ 93 (854/BA/21)	
EN 54-7	Connection of ancillary devices	PASS		
EN 54-7	Monitoring of detachable detectors	PASS		
EN 54-7	Manufacturer's adjustments	PASS		
EN 54-7	On-site adjustment of response behaviour	PASS		
EN 54-7	Protection against the ingress of foreign bodies	PASS		
EN 54-7	Response to slowly developing fires	PASS		
EN 54-7	Software controlled detectors (when provided)	PASS		
EN 54-7	Repeatability	PASS		
EN 54-7	Directional dependence	PASS		
EN 54-7	Reproducibility	PASS		
EN 54-7	Air movement	PASS		
EN 54-7	Dazzling	PASS		
EN 54-7	Variation in supply parameters	PASS		
EN 54-7	Fire sensitivity	PASS		
EN 54-7 - EN 60068-2-1	Cold (operational)	PASS		
EN 54-7 - EN 60068-2-2	Dry heat (operational)	PASS		
EN 54-7 - EN 60068-2-78	Damp heat, steady state (operational)	PASS		
EN 54-7 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS		
EN 54-7 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS		
EN 54-7 - EN 60068-2-27	Shock (operational)	PASS		
EN 54-7 - EN 60068-2-75	Impact (operational)	PASS		
EN 54-7 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-7 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		
EN 54-7 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS		
EN 54-17	Reproducibility	PASS	14 (723/BA/22) 40 ÷ 44 (596/BA/17)	
EN 54-17	Requirements	PASS		
EN 54-17 - EN 60068-2-2	Dry heat (operational)	PASS		
EN 54-17 - EN 60068-2-1	Cold (operational)	PASS		
EN 54-17 - EN 60068-2-27	Shock (operational)	PASS		
EN 54-17	Impact (operational)	PASS		
EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		
EN 54-17 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS		
EN 54-17 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS		
EN 54-17 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS		
EN 54-17	Variation in supply parameters	PASS		
EN 54-17 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS		
PRODUCT APPLICATION GUIDELINE	KK-E401/04.2022 KK-E401/09.2022/EN	The DUT-3000AD is heat and smoke detector with integrated sounder and short-circuit isolator. It is designed for detection of visible smoke or/and rise of temperature at the very early stage of fire. The DUT-3000AD is co-operates with G-405 socket, to which the surveillance lines are connected.		





Laboratory and Certification Body Details

NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślańska 213. 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślańska 213. 05-420 Józefów REPUBLIC OF POLAND
WEBSITE	www.cnbop.pl	WEBSITE	www.cnbop.pl
TELEPHONE	+48 22 769 33 47	TELEPHONE	+48 22 769 32 26
EMAIL	jcw@cnbop.pl	EMAIL	ba@cnbop.pl
ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl	ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl
AS PER	EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services	AS PER	EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
VALIDITY	October 3, 2026	VALIDITY	October 11, 2025
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	 CNBOP-PIB		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	JACEK SZUBIŃSKI	SIGNATURE	
EMAIL / TELEPHONE	export@pdon-alfa.pl +48 52 3639 278	FACTORY OFFICIAL SEAL	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
(ENDORSEMENT) TO BE CERTIFICATION BODY			
NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY	st. bryg. dr inż. Paweł Janik	SIGNATURE	
EMAIL / TELEPHONE	cnbop@cnbop.pl +48 22 769 33 00	CERTIFICATION BODY OFFICIAL SEAL	
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ATTACHEMENT:

COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR-0905 ISSUE 1 ISSUED BY CERTIFICATION BODY