Date: January 2, 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 702/BA/22 2. 368/BA/17 3. 488/BA/13	**CERTIFICATE NUMBER**	DC – UAE – 0223
DATE OF ISSUE	1. December 5, 2022 2. January 17, 2018 3. April 29, 2014	**DATE OF ISSUE**	January 2, 2023
DATE OF EXPIRY	Not applicable	**DATE OF EXPIRY**	January 1, 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**	EKS-3022
WEBSITE	www.polon-alfa.pl	**LOGO ON THE PRODUCT**	POLON-ALFA
TELEPHONE	+48 52 36 39 278	**EMAIL**	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl

CENTRUM NAUKOWO-BADAWCZE OCHRONY PRZECIWPOŻAROWEJ im. Józefa Tuliszkowskiego PAŃSTWOWY INSTYTUT BADAWCZY

Product Details From Test Report				Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Input / output device with short-circuit isolator – Control element type EKS-3022 (Detailed specification below)			3 (702/BA/22)
TESTS STANDARD	EN 54-17:2005 + AC:2007 Fire detection and fire alarm systems – Part 17: Short-circuit isolators EN 54-18:2005 + AC:2007 Fire detection and fire alarm systems – Part 18: Input/output devices			7 (702/BA/22)
TESTS DESCRIPTION	Requirements, test methods and performance criteria input / output device – input / output module intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			7 ÷ 8 (702/BA/22)
SPECIFICATION OF TEST SPECIMEN	Type:	EKS-3022		3 ÷ 5 (702/BA/22)
	Detachable device:	no		
	Software controlled device:	yes		
	Number of inputs:	2		
	Number of outputs:	2		
	Nominal voltage [V DC]:	24		
	Maximum voltage [V DC]:	24,6		
	Minimal voltage [V DC]:	16,5		
	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		
	Operating temperature [°C]:	-10 ÷ +55		
	Dimensions [mm]:	175 x 60 x 173		
	Mass [g]:	< 500		
TESTS RESULTS	EN 54-17	Reproducibility	PASS	8 ÷ 9 (702/BA/22) 8 ÷ 9 (368/BA/17) 9 ÷ 13 (488/BA/13)
	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 (EMC), immunity tests (operational)	PASS	
TESTS RESULTS	EN 54-18	Performance and variation of supply parameters	PASS	8 (702/BA/22) 7 ÷ 8 (368/BA/17) 7 ÷ 9 (488/BA/13)
	EN 54-18	Functional test	PASS	
	EN 54-18	Functional test	PASS	
	EN 54-18 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-18 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-18 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-18 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-18 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-16 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-18 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-18 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-18 - EN 60068-2-42	Sulphur dioxide (SO2) corrosion (endurance)	PASS	
	EN 54-18	Performance and variation of supply parameters	PASS	
	EN 54-18 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests	PASS*	
	* Not applicable for tests in compliance with point 5.12a and 5.12b of EN 54-18.			
PRODUCT APPLICATION GUIDELINE	KK-E398/07.2022/EN	EKS-3022 input/output element is dedicated for activation (with its relay contacts) of fire protection and fire alarm devices after receiving an order from the control panel. It enables to monitor efficiency of controlled devices and its proper operation. It can be used for monitoring of any device without relation to its former control.		Not applicable

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	+48 52 36 39 261 export@polon-alfa.pl	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 0048 227693300	CERTIFICATION BODY OFFICIAL SEAL	CENTRUM NAUKOWO-BADAWCZE OCHRONY PRZECIWPOŻAROWEJ im. Józefa Tuliszkowskiego PAŃSTWOWY INSTYTUT BADAWCZY
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT: COPY OF "CERTIFICATE OF CONFORMITY" NO. 1438 – CPR – 0876 issue 1 ISSUED BY CERTIFICATION BODY