




Date: May 13, 2022

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 1421/BA/21	CERTIFICATE NUMBER	DC – UAE – 0208
DATE OF ISSUE	1. April 15, 2022	DATE OF ISSUE	May 13, 2022
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	May 12, 2032
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-6080
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	Input / output device – Control element type EKS-6080 with short-circuit isolator (Detailed specification below)		3 (1421/BA/21)	
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 (1421/BA/21)	
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 (1421/BA/21)	
SPECIFICATION OF TEST SPECIMEN	Type:	EKS-6080	3 + 5 (1421/BA/21)	
	Detachable device:	no		
	Software controlled device:	yes		
	Number of inputs:	8		
	Number of outputs:	---		
	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 169			
Mass [g]:	< 550			
TESTS RESULTS	EN 54-17	Reproducibility	PASS	10 + 16 (1421/BA/21)
	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	16 + 21 (1421/BA/21)
	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 (SO ₂) 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-E378/08.2021/EN	Input / output device type EKS-6080 with short-circuit isolator is used in fire detection and fire alarm systems. EKS-6080 is designed for operation in addressable monitoring lines of POLON 6000 control panels. EKS-6080 is equipped with parametric inputs (IN) which allow to connect independent, dry-contacts normally open or normally closed. EKS-6080 is equipped with 8 parametric inputs.	Not applicable	



United Arab Emirates

Ministry of interior

Civil Defense G.H.Q

Fire intentional Lab & House
of Expertise & Training Center

Approval Committee



دولة الإمارات العربية المتحدة

وزارة الداخلية

القيادة العامة للدفاع المدني

لجنة اعتماد المختبرات العالمية

وبيوت الخبرة ومعاهد التدريب

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, 2022	VALIDITY	October 11, 2025
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Dariusz Knapczyk Robert Pestke	SIGNATURE	
EMAIL / TELEPHONE	+48 52 363 9278 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. Jacek Zboina	SIGNATURE	
EMAIL / TELEPHONE	cnbop@cnbop.pl 0048 227693300	CERTIFICATION BODY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT:

COPY OF "CERTIFICATE OF CONFORMITY" NO. 1438 – CPR – 0828 issue 1 ISSUED BY CERTIFICATION BODY