




Date: April 18, 2019

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 2939/BA/06 2. 596/BA/17 3. 1180/BA/18	CERTIFICATE NUMBER	DC - UAE - 0116
DATE OF ISSUE	1. August 18, 2006 2. July 6, 2018 3. January 18, 2019	DATE OF ISSUE	April 18, 2019
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	April 17, 2029
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-4001
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+48 52 36 39 269	EMAIL	export@polon-alfa.pl tomasz.piaskowski@polon-alfa.pl





Product Details From Test Report				Reference Test Report Page No.	
DESCRIPTION OF THE PRODUCT	Input / output device – input / output device type EKS-4001 with short-circuit isolator (Detailed specification below)			3	
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			6 + 7 (2939/BA/06) 7 (596/BA/17) 5 (1180/BA/18)	
TESTS DESCRIPTION	Requirements, test methods and performance criteria input / output device intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			6 + 7 (2939/BA/06) 7 + 8 (596/BA/17) 5 (1180/BA/18)	
SPECIFICATION OF TEST SPECIMEN	Type:	EKS-4001		3 + 4 (2939/BA/06) 40 (596/BA/17) 4 (1180/BA/18)	
	Detachable device:	no			
	Software controlled device:	yes			
	Number of inputs:	1 x EKS: 2	2 x EKS: 4		4 x EKS: 8
	Number of outputs:	1 x EKS: 1	2 x EKS: 2		4 x EKS: 4
	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]:	13,8			
	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 (Length x Width x Height) [mm]:	1 x EKS: 125 x 75 x 75	2 x EKS: 125 x 125 x 75		4 x EKS: 125 x 175 x 75
Mass [g]:	1 x EKS: 330	2 x EKS: 560	4 x EKS: 870		
TESTS RESULTS	EN 54-17	Reproducibility	PASS	40 + 44 (596/BA/17) 5 + 6 (1180/BA/18)	
	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
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 EN 50130-4 point 7 and 8.					
PRODUCT APPLICATION GUIDELINE	KK-E286/03.2019 KK-E286/03.2019/EN Input / output device type EKS-4001 is equipped with internal short-circuit isolator. It is available in 2 inputs and 1 output (1 x EKS), 4 inputs and 2 outputs (2 x EKS) and 8 inputs and 4 outputs (4 x EKS). Input / output device – input / output device type EKS-4001 with short-circuit isolator is used in fire detection and fire alarm systems.			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, 2022	VALIDITY	October 11, 2021
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	 CNBOP-PIB		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Dariusz Nagański	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	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ
EMAIL / TELEPHONE	cnbop@cnbop.pl 0048 22 769 33 00	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 – 0071 ISSUED BY CERTIFICATION BODY