




Date: April 29, 2020

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following

TEST REPORT NUMBER	1811/BA/19	CERTIFICATE NUMBER	DC - UAE - 0160
DATE OF ISSUE	March 27, 2020	DATE OF ISSUE	April 29, 2020
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	April 28, 2030
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	PZB 6000
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+ 48 52 363 94 10	EMAIL	krzysztof.przybecki@polon-alfa.pl






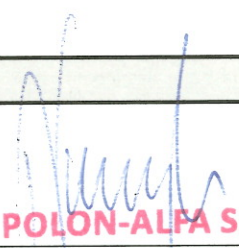
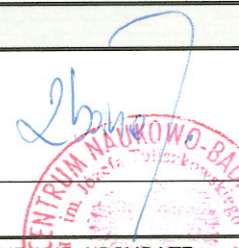

Product Details From Test Report		Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Power supply for firefighting devices PZB 6000 with an input / output module and short circuit isolator	3
TESTS STANDARD	EN 54-4:1997+AC:1999+A1:2002+A2:2006 Fire detection and fire alarm systems - Part 4: Power supply equipment EN 12101-10:2005+AC:2007 Smoke and heat control systems - Part 10: Power supplies 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	3
TESTS DESCRIPTION	Requirements, test methods and performance criteria for power supply with an input / output module and short circuit isolator	3-9
SPECIFICATION OF TEST SPECIMEN	Product type	PZB 6000
	Type of power supply	electric
	Operating temperature [°C]	-5 ÷ +40
	Enclosure type and dimensions (Length x Width x Height)	M70 - 434 x 112,5 x 444 M71 - 444,5 x 197,5 x 444 M72 - 503,5 x 217,5 x 554 M73 - 503,5 x 217,5 x 554
	Functional class according to EN 12101-10:2005+AC:2007	A
	Environmental class according to EN 12101-10:2005+AC:2007	1
	Output operating current I _{max a} [A]	power module: MZ-61-75 - 1,5 MZ-61-150 - 1,2 / 4,0 / 6,0 MZ-61-300 - 4,0 / 6,0 / 8,0 MZ-61-600 - 14
	Output operating current I _{max b} [A]	power module: MZ-61-75 - 2,5 MZ-61-150 - 5,0 MZ-61-300 - 10 MZ-61-600 - 20
	Output circuits: range of output voltage [V DC]	24 ± 25 %
	Main supply: supply voltage	230 V AC -15% +10%
	Input circuits: number of inputs	1
	Maximum current consumption [A]	power module MZ-61-75 - 0,85 MZ-61-150 - 1,6 MZ-61-300 - 2,0 MZ-61-600 - 4,1
	Power Supply: Battery type	lead-acid, 2 x 12 V DC
	Maximum current of battery charging [A]	battery: up to 18 Ah - 0,8, up to 40 Ah - 1,8, up to 80 Ah - 3,6, up to 134 Ah - 6
	Maximal internal resistance of the battery and elements connected to the battery circuit [Ω]	0,3
	Maximum battery capacity [Ah]	enclosure: M70 - up to 18, M71 - up to 40, M72 - up to 80 M72 + M73 - up to 134
	Battery charge voltage in floating mode [V]	27,3
	Temperature compensation in floating mode	yes
	Detachable device:	no
	Software controlled device:	yes
	Number of inputs:	2 - control inputs
	Number of outputs:	4 - signal outputs, 2 - potential-free 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]:	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]:	-5 ÷ +40	
Dimensions (Length x Width x Height) [mm]:	M70 - 434 x 112,5 x 444, M71 - 444,5 x 197,5 x 444 M72 - 503,5 x 217,5 x 554, M73 - 503,5 x 217,5 x 554	
Mass [g]:	M70 - < 8, M71 - < 9 M72 - < 12, M73 - < 18	
Power supply from main source (electric) - according to 6.1 EN 12101-10:2005+AC:2007	yes	
Power supply from reserve source (battery) - according to 6.2 EN 12101-10:2005+AC:2007	yes	
Power supply from reserve source (generator) - according to 6.3 EN 12101-10:2005+AC:2007	no	
Detection and signaling of faults (electric) - according to 6.4 EN 12101-10:2005+AC:2007	yes	



TESTS RESULTS	EN 54-4	General requirements	PASS	15 - 40
	EN 54-4	Functions	PASS	
	EN 54-4	Materials, design and manufacture	PASS	
	EN 54-4	General requirements	PASS	
	EN 54-4	Functions	PASS	
	EN 54-4	Materials, design and manufacture	PASS	
	EN 54-4	Documentation	PASS	
	EN 54-4	Marking	PASS	
	EN 54-4	Cold (operational)	PASS	
	EN 54-4	Impact (operational)	PASS	
	EN 54-4	Vibration, sinusoidal (operational)	PASS	
	EN 54-4	Vibration, sinusoidal (endurance)	PASS	
	EN 54-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
	EN 54-4	Damp heat, steady state (operational)	PASS	
	EN 54-4	Damp heat, steady state (endurance)	PASS	
	EN 12101-10	Functions	PASS	
	EN 12101-10	Materials, design and manufacture	PASS	
	EN 12101-10	General provisions	PASS	
	EN 12101-10	Power supply source – general provisions	NOT APPLICABLE	
	EN 12101-10	General provisions	PASS	
	EN 12101-10	Power supply source – general provisions	NOT APPLICABLE	
	EN 12101-10	Power supply from reserve source (battery)	PASS	
	EN 12101-10	Power supply from reserve source (generator)	NO PERFORMANCE DETERMINED	
	EN 54-17	Reproducibility	PASS	
	EN 54-17	Requirements	PASS	
	EN 54-17	Dry heat (operational)	PASS	
	EN 54-17	Cold (operational)	PASS	
EN 54-17	Shock (operational)	NOT APPLICABLE		
EN 54-17	Impact (operational)	PASS		
EN 54-17	Vibration, sinusoidal (operational)	PASS		
EN 54-17	Vibration, sinusoidal (endurance)	PASS		
EN 54-17	Damp heat, cyclic (operational)	PASS		
EN 54-17	Damp heat, steady state (endurance)	PASS		
EN 54-17	Sulphur dioxide (SO2) corrosion (endurance)	PASS		
EN 54-17	Variation in supply parameters	PASS		
EN 54-17	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS		
EN 54-18	Performance and variation of supply parameters	PASS		
EN 54-18	Functional test	PASS		
EN 54-18	Dry heat (operational)	PASS		
EN 54-18	Cold (operational)	PASS		
EN 54-18	Shock (operational)	PASS		
EN 54-18	Impact (operational)	NOT APPLICABLE		
EN 54-18	Vibration, sinusoidal (operational)	PASS		
EN 54-18	Vibration, sinusoidal (endurance)	PASS		
EN 54-18	Damp heat, cyclic (operational)	PASS		
EN 54-18	Damp heat, steady state (endurance)	PASS		
EN 54-18	Sulphur dioxide (SO2) corrosion (endurance)	PASS		
EN 54-18	Performance and variation of supply parameters	PASS		
EN 54-18	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS		
EN 54-18		PASS		
PRODUCT APPLICATION GUIDELINE	ID-E357-001	The main purpose of the PZB 6000 fire buffer power supply is to power devices used in fire protection systems. The MZ-61 power module (depending on the power available in the versions: MZ-61-75, MZ-61-150, MZ-61-300, MZ-61-600) provides direct current (DC) voltage to power the rest of the modules	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 Napiński	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 261	FACTORY OFFICIAL SEAL	POŁON-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 - 0707 ISSUED BY CERTIFICATION BODY