




Date : 2023-05-23

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	SS16-0002357-01 SS22-0081636-01	CERTIFICATE NUMBER	SN.R000B1
DATE OF ISSUE	2017-04-10	DATE OF ISSUE	2017-04-10
UPDATED ON	2023-05-23	UPDATED ON	2023-05-23
DATE OF EXPIRY	2026-05-22	DATE OF EXPIRY	2026-05-22
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	SV SISTEMI DI SICUREZZA S.r.l.	NAME OF THE BRAND	SV SISTEMI DI SICUREZZA
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY )	Via Matteotti, 55/57 – 24050 Grassobbio (BG) – Italy	MODEL / NO	EXPSU20
WEBSITE	<a href="http://www.svsistemidisicurezza.com">http://www.svsistemidisicurezza.com</a>	LOGO ON THE PRODUCT	
TEL	+39 035657055	EMAIL	<a href="mailto:vincenzo.polge@sistemidisicurezza.com">vincenzo.polge@sistemidisicurezza.com</a>

IMQ S.p.A. - Soc. a Socio Unico  
Via Quintiliano, 43 20138 – MILANO  
Cod. Fisc. - Part. IVA 12898410159



Product Details From Test Report		Reference Test Report page NO
<b>DESCRIPTION OF THE PRODUCT</b> (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	<p>The EUT is a Power Supply Equipment (p.s.e.) intended to be used in fire detection and fire alarm systems. It consists of a box, IP30 degree of protection, containing:</p> <ul style="list-style-type: none"> <li>No. 2 Power supply trademark TDK-Lambda, type SWS600L-24 rated 24 V (No. 1 Power supply used for external devices and charger battery; No. 1 power supply used as a redundant power supply);</li> <li>No. 1 System battery controller board trademark SV SISTEMI DI SICUREZZA, type EXP5U20 (PCB Rev. 3);</li> <li>No. 1 LED board type EXP5U20-LED (PCB Rev. 1);</li> <li>No. 1 Display touch screen type MODLCD (PCB Rev. 3), optional;</li> <li>No. 2 Allocable batteries rated 12 V – 55 Ah.</li> </ul> <p>Output power supplies distribution:</p> <ul style="list-style-type: none"> <li>20 A current for external devices;</li> <li>3 A current for batteries recharge.</li> </ul>	<p>SS16-0002357-01 - Page 3 SS22-0081636-01 - Page 5 and 6</p>
<b>TEST STANDARD</b> (SUCH AS ASTM/BS EN/ DN ETC)	<p>EN 54-4: 1997 + A1:2002 + A2: 2006</p>	<p>SS16-0002357-01 - Page 1 SS22-0081636-01 - Page 9</p>
<b>TEST DESCRIPTION</b>	<p><u>EN 54-4: 1997 + A1:2002 + A2: 2006</u></p> <p>Clause 4.2 Power source Clause 5.1 Power supply from the main power source Clause 5.2 Power supply from the standby power source (battery) Clause 5.3 Charger Clause 5.4 Faults Clause 6.1 Manufacturer's declaration Clause 6.2 Mechanical design Clause 6.3 Electrical design Clause 7.1 User's documentation Clause 7.2 Design documentation Clause 8 Marking Clause 9.2 Functional tests (Test 1 to Test 9) Clause 9.3 Test of the charger and the standby power source Clause 9.4 Environmental tests Clause 9.5 Cold (operational) Clause 9.6 Damp heat, steady state (operational) Clause 9.7 Impact (operational) Clause 9.8 Vibration, sinusoidal (operational) Clause 9.9 Electromagnetic Compatibility (EMC), Immunity test (operational) Clause 9.14 Damp heat, steady state (endurance) Clause 9.15 Vibration, sinusoidal (endurance) ANNEX ZA - CLAUSES OF THIS EUROPEAN STANDARD ADDRESSING ESSENTIAL REQUIREMENTS OF THE CONSTRUCTION PRODUCTS OR OTHER PROVISIONS OF EU DIRECTIVES</p>	<p>SS16-0002357-01 - Page 6 to 23</p>



<b>SPECIFICATION OF TEST SPECIMEN</b>	The EUT, provided with all the units described in the section "DESCRIPTION OF THE PRODUCT", as stated in clause 9.1 of standards EN 54-4, has been subjected to all the above mentioned tests.	SS16-0002357-01 - Page 3 SS22-0081636-01 - Page 9
<b>TEST RESULT</b> (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	Tests results are satisfactory	SS16-0002357-01 - Page 5 SS22-0081636-01 - Page 9
<b>PRODUCT APPLICATION GUIDELINE (END USE)</b> (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	<p>This product must be installed, connected up and used in accordance with current legislation and/or installation standards.</p> <p>The information regarding standards, specifications and design developments contained in this publication may not be up to date. Always contact us to obtain the latest information.</p> <p>The staff in charge of installation, commissioning and start-up of this equipment must be aware of the correct working procedures to ensure safety and proper use.</p> <p>The Power Supply Equipment will be derived directly from an electrical switchboard via a reserved line, this line will be protected by a disconnecting device in compliance with local regulations.</p> <p>The minimum size recommended for the earth connection is 2.5 mm<sup>2</sup>, unless otherwise specified in the respective documentation.</p> <p>The EXPSU20 has a front panel with keypad, LCD and LED, this model is suitable for installation in sites where they are needed visual and manual checks.</p> <p>EXPSU20 is a power supply for powering fire detection and fire alarm systems. All signaling is indicated on the display and on LEDs.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>• Switching power supply with battery charging capabilities;</li> <li>• Output to fault signal;</li> <li>• 24 V output for powering external devices.</li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>• internal use;</li> <li>• ratings: 230 V~ +10% / -15%; 50/60 Hz; 4.5 A – Output: 25.6 V- ; 23 A;</li> <li>• permanent connection to the mains;</li> <li>• equipment mobility: stationary (wall mounting);</li> <li>• Class I equipment;</li> <li>• Over voltage category II;</li> <li>• IP 30 protection class;</li> <li>• pollution degree PD2;</li> <li>• ambient temperature of -5 °C ÷ +40 °C.</li> </ul>	SS16-0002357-01 - Page 2 to 23 SS22-0081636-01 - Page 1 to 13





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	IMQ S.p.A.	NAME OF TEST FACILITY	IMQ S.p.A.
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	I-20138 Milano – Via Quintiliano, 43	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	I-20138 Milano – Via Quintiliano, 43
WEBSITE	<a href="http://www.imq.it">www.imq.it</a>	WEBSITE	<a href="http://www.imq.it">www.imq.it</a>
TEL	+39 0250731	TEL	+39 0250731
EMAIL	<a href="mailto:cecilia.cantaluppi@imq.it">cecilia.cantaluppi@imq.it</a>	EMAIL	<a href="mailto:cecilia.cantaluppi@imq.it">cecilia.cantaluppi@imq.it</a>
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	ACCREDIA – Ente Italiano di Accreditamento <a href="http://www.accredia.it">www.accredia.it</a>	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	ACCREDIA – Ente Italiano di Accreditamento <a href="http://www.accredia.it">www.accredia.it</a>
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	EN ISO/IEC 17065:2012	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	EN ISO/IEC 17025:2017
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	2025/03/09	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	2024/07/05
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	005B	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0121L
CERTIFICATION MARK	IMQ SPA		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Vincenzo Polge	SIGNATURE	
EMAIL / TEL	<a href="mailto:vincenzo.polge@sistemidisicurezza.com">vincenzo.polge@sistemidisicurezza.com</a> +39 035657055	FACTORY OFFICIAL SEAL	SV SISTEMI DI SICUREZZA srl Viale G. Matteotti, 55/57 24050 Grassano (BG) P.F. e P. IVA 02659570168 Codice SDI: SUBM70N
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Mauro Casari	SIGNATURE	
EMAIL / TEL	<a href="mailto:mauro.casari@imq.it">mauro.casari@imq.it</a> +39 025073707	CERTIFICATION BODY OFFICIAL SEAL	IMQ S.p.A. - Soc. a Socio Unico Via Quintiliano, 43 20138 – MILANO Cod. Fisc. - Part. IVA 1289841059
NOTES: I Undertake that all data and information provided are genuine and accurate			

**ATTACHMENTS:**

- COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)