SLOVENSKI STANDARD
SIST EN 50131-6:2018/A1:2021

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Alarmni sistemi - Sistemi za javljanje vloma in ropa - 6 del: Napajalniki - Dopolnilo A1

Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 6: Energieversorgungen

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 6: Alimentation

Ta slovenski standard je istoveten z: EN 50131-6:2017/A1:2021

ICS:

13.310	Varstvo pred kriminalom	Protection against crime
13.320	Alarmni in opozorilni sistemi	Alarm and warning systems

SIST EN 50131-6:2018/A1:2021 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50131-6:2017/A1

June 2021

ICS 13.310

English Version

Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 6: Alimentation

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 6: Energieversorgungen

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 50131-6:2017/A1:2021) has been prepared by CLC/TC 79 “Alarm systems”.

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2022-05-25
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2024-05-25

This document amends EN 50131-6:2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

1 Modifications to 4.3.3.2, “PS Type A and B”

Replace *3rd paragraph (An APS Fault signal or message shall be removed…) by:*

“An APS Fault signal or message shall be removed according to Table 2 and within the maximum time periods defined in Table 4, when the energy in the SD rises above the low value specified by the PS manufacturer. Alternatively, for PS type A, when the EPS is re-applied following a loss of EPS and the SD is undergoing normal charging, any APS Fault signal or message generated due to a SD Low Residual Energy condition shall be removed within the maximum time periods defined in Table 4.”

Delete *the final paragraph (For PS type A, when…)*

2 Modification to 6, “Documentation”

Replace *l) (the SD criteria…) by:*

“l) the SD criteria at which the SD Low Residual Energy signal or message will be generated and removed”;

3 Modification to 7.1, “General”

Add *below 1st paragraph (Where products are to be tested…):*

“NOTE Where an optional requirement has been claimed by the manufacturer then the test for that requirement is mandatory.”

Replace *Table 10 with:*

“

Table 10 — Tests for PS according to Type

Test	Title	Test No.	Type A	Type B	Type C
1	Reduced Functional Test	7.3	M	M	M
2	Monitoring: Loss of EPS	7.4	M	M	N/A
3	Monitoring: Storage Device Low Residual Energy	7.5	M	M	M
4	Monitoring: Storage Device Failure	7.6	M	M	N/A
5	Monitoring: Low Output Voltage	7.7	M	M	N/A
6	Monitoring: Power Unit Failure - Loss of PU Power Output	7.8	M	M	N/A
7	Monitoring: Power Unit Failure – Loss of SD Recharge	7.9	M	N/A	N/A
8	Test on Demand	7.10	M	M	N/A
9	APS Capability	7.11	M	M	N/A
10	Recharging for PS Type A	7.12	M	N/A	N/A
11	Over-voltage Protection	7.13	M	M	M
12	Short Circuit Protection	7.14	M	M	M

Test	Title	Test No.	Type A	Type B	Type C
13	Overload Protection	7.15	M	M	M
14	Deep Discharge Protection	7.16	M	M	N/A
15	Tamper Protection	7.17	M	M	M
16	Tamper Detection – Access to inside of the housing	7.18	M	M	M
17	Tamper Detection – Removal from Mounting	7.19	M	M	M
18	Tamper Detection – Penetration of Housing	7.20	M	M	M
19	Environmental and EMC	7.21	M	M	M
20	PS Rating	7.22	M	M	M
21	Output Voltage Stability – Gradual Load variation	7.23	M	M	M
22	Output Voltage Stability – Switched Load variation	7.24	M	M	M
23	Marking and Documentation	7.25	M	M	M
M = Test mandatory for PS Type N/A = Not Applicable					

”

4 Modification to 7.2.4, “Load electrical characteristics”

Add *below 1st paragraph (The electrical characteristics of the load…):*

“NOTE Parasitic (unintentional) reactive components in the load are considered to have negligible impact.”

5 Modification to 7.5.4.1, “Stimuli”

Add *below 8th paragraph (For PS with capability to disable…):*

“Increase the simulated SD energy level above the level at which the PS manufacturer has declared that an APS Fault signal or message will be removed.”

6 Modification to 7.5.4.2, “Measurement”

Replace *2nd paragraph (Measure the time between the re-connection…) by:*

“Where the APS Fault signal or message is removed on re-application of the EPS:

(i) measure the time between the re-connection of the EPS and the removal of the APS Fault signal or message

otherwise

(ii) measure the time between the simulated SD energy level exceeding the SD Low Residual Energy value as specified by the PS manufacturer and the removal of the APS Fault signal or message.”