

01-maj-2021

**Aktivne komponente in naprave optičnih vlaken - Izvedbeni standardi - 3. del:
Laserski diodni oddajniki z integriranim modulatorjem za optične prenosne
sisteme 40 Gbit/s - Popravek AC (IEC 62149-3:2020/COR1:2021)**

Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2020/COR1:2021)

Aktive Lichtwellenleiterbauelemente und -geräte - Betriebsverhalten - Teil 3: Sender mit modulatorintegrierten Laserdioden für 40 Gbit/s-Lichtwellenleiter-Übertragungssysteme (IEC 62149-3:2020/COR1:2021)

[SIST EN IEC 62149-3:2020/AC:2021](https://standards.iteh.ai/catalog/standards/sist/57448d0a-794a-46f1-93a-ab18bdc55/iec-62149-3-2020-sic-2021)

Composants et dispositifs actifs fibroniques - Normes de performances - Partie 3: Émetteurs à diodes laser à modulateur intégré pour systèmes de transmission fibroniques 40 Gbit/s (IEC 62149-3:2020/COR1:2021)

Ta slovenski standard je istoveten z: EN IEC 62149-3:2020/AC:2021-03

ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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SIST EN IEC 62149-3:2020/AC:2021 en

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[SIST EN IEC 62149-3:2020/AC:2021](https://standards.iteh.ai/catalog/standards/sist/57448d0a-794a-4fa1-9fa-ab16bdd557ff/sist-en-iec-62149-3-2020-ac-2021)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN IEC 62149-
3:2020/AC:2021-03**

March 2021

ICS 33.180.20

English Version

Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2020/COR1:2021)

Composants et dispositifs actifs fibroniques - Normes de performances - Partie 3: Émetteurs à diodes laser à modulateur intégré pour systèmes de transmission fibroniques 40 Gbit/s
(IEC 62149-3:2020/COR1:2021)

Aktive Lichtwellenleiterbauelemente und -geräte - Betriebsverhalten - Teil 3: Sender mit modulatorintegrierten Laserdioden für 40 Gbit/s-Lichtwellenleiter-Übertragungssysteme
(IEC 62149-3:2020/COR1:2021)

This corrigendum becomes effective on 5 March 2021 for incorporation in the English language version of the EN.

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[SIST EN IEC 62149-3:2020/AC:2021](https://standards.iteh.ai/catalog/standards/sist/57448d0a-794a-4fa1-9f3a-ab16bdd557ff/sist-en-iec-62149-3-2020-ac-2021)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Endorsement notice

The text of the corrigendum IEC 62149-3:2020/COR1:2021 was approved by CENELEC as EN IEC 62149-3:2020/AC:2021-03 without any modification.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALEIEC 62149-3
Edition 3.0 2020-07IEC 62149-3
Édition 3.0 2020-07FIBRE OPTIC ACTIVE COMPONENTS AND
DEVICES – PERFORMANCE STANDARDS –COMPOSANTS ET DISPOSITIFS ACTIFS
FIBRONIQUES – NORMES DE PERFORMANCES –Part 3: Modulator-integrated laser diode
transmitters for 40-Gbit/s fibre optic
transmission systemsPartie 3: Émetteurs à diodes laser à modulateur
intégré pour systèmes de
transmission fibroniques 40 Gbit/s

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

[SIST EN IEC 62149-3:2020/AC:2021](https://standards.iteh.ai/catalog/standards/sist/57448d0a-794a-4fa1-9f3a-ab100da557ff/sist-en-iec-62149-3-2020-ac-2021)**Clause 2 – Normative references***Add the following new reference:*IEC 61300-2-4, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-4: Tests – Fibre or cable retention***Table 6 – Performance test plan***Replace the existing Table 6 with the following new table:*

	Test	Reference	Conditions	Sample size
Endurance tests of module	High temperature storage	IEC 60068-2-2	Temperature: $T = T_{\text{stg max.}}$ Duration: > 2 000 h ^b	11
	Low temperature storage	IEC 60068-2-1	Temperature: $T = T_{\text{stg min.}}$ Duration: > 2 000 h ^b	11
	Temperature cycling	IEC 60068-2-14	Test Na Temperature: $T_A = T_{\text{stg min.}}$ $T_B = T_{\text{stg max.}}$ Number of cycles = 100 duration of exposure ^d	11
	Damp heat	IEC 60068-2-78	$T = 40\text{ °C}$, RH = 95 %, 56 days	11