

STN	Klasifikácia podmienok prostredia Časť 3-4: Klasifikácia skupín parametrov prostredia a stupňov ich prísnosti Stacionárne použitie na miestach nechránených proti poveternostným vplyvom Oprava AC	STN EN IEC 60721-3-4/AC 03 8900
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Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/23

Obsahuje: EN IEC 60721-3-4:2019/AC:2023, IEC 60721-3-4:2019/COR1:2023

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN IEC 60721-3-
4:2019/AC:2023-08**

August 2023

ICS 19.040

English Version

**Classification of environmental conditions - Part 3-4:
Classification of groups of environmental parameters and their
severities - Stationary use at non-weatherprotected locations
(IEC 60721-3-4:2019/COR1:2023)**

Classification des conditions d'environnement - Partie 3-4:
Classification des groupements des agents
d'environnement et de leurs sévérités - Utilisation à poste
fixe, non protégé contre les intempéries
(IEC 60721-3-4:2019/COR1:2023)

Klassifizierung von Umweltbedingungen - Teil 3-4: Klassen
von Umwelteinflußgrößen und deren Grenzwerte -
Ortsfester Einsatz, nicht wettergeschützt
(IEC 60721-3-4:2019/COR1:2023)

This corrigendum becomes effective on 4 August 2023 for incorporation in the English language version of the EN.



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 60721-3-4:2019/COR1:2023 was approved by CENELEC as EN IEC 60721-3-4:2019/AC:2023-08 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 60721-3-4
Edition 3.0 2019-05

IEC 60721-3-4
Édition 3.0 2019-05

**CLASSIFICATION OF ENVIRONMENTAL
CONDITIONS –**

**Part 3-4: Classification of groups of
environmental parameters and their severities –
Stationary use at non-weatherprotected
locations**

**CLASSIFICATION DES CONDITIONS
D'ENVIRONNEMENT –**

**Partie 3-4: Classification des groupements des
agents d'environnement et de leurs sévérités –
Utilisation à poste fixe, non protégé contre les
intempéries**

CORRIGENDUM 1

Corrections to the French version appear after the English text.

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

Table 1 – Classification of climatic conditions

In the "Low absolute humidity" row, for climatic conditions 4K23, 4K24, 4K26 and 4K27, replace the existing values "0,2", "0,003", "0,1" and "0,003" with the new values "0,05", "0,004", "0,05" and "0,004", respectively, as shown:

Environmental parameter	Unit	Classification				
		Sheltered		Open-air		
		4K23	4K24	4K25	4K26	4K27
Low air temperature	°C	–45	–50	+5	–20	–50
High air temperature	°C	+70	+70	+45 ⁱ	+50 ⁱ	+45 ⁱ
Low relative humidity ^a	%	4	4	30	4	10
High relative humidity ^a	%	100	100	100	100	100
Low absolute humidity ^a	g/m ³	0,05	0,004	6	0,05	0,004
High absolute humidity ^a	g/m ³	35	20	35	30	25
Rate of change of temperature ^b	°C/min	1,0	1,0	1,0	1,0	1,0
Low air pressure ^c	kPa	70	70	70	70	70
High air pressure ^c	kPa	106	106	106	106	106
Solar radiation	W/m ²	h	h	1 090 ^l	1 090 ^l	1 090 ^l
Heat radiation	Not specified	f	f	No	No	No
Movement of surrounding air ^d	m/s	5,0 ^{d, f}	5,0 ^{d, f}	22 ^f	22 ^f	22 ^f
Condensation	Not specified	Yes	Yes	Yes	Yes	Yes

Environmental parameter	Unit	Classification				
		Sheltered		Open-air		
		4K23	4K24	4K25	4K26	4K27
Precipitation (rain, snow, hail, etc.) ^m	Not specified	Yes ^g	Yes ^g	Yes	Yes	Yes
Rain intensity	mm/min	No ^g	No ^g	15	15	15
Driving rain	m/s	No	No	18	18	18
Snow load	kg/m ²	No	No	No	g	g
Low rain temperature ^e	°C	No ^g	No ^g	+5	+5	+5
Water from sources other than rain	Not specified	Dripping water	Dripping water	j	j	j
Formation of ice and frost	Not specified	Yes	Yes	Yes ^k	Yes ^k	Yes ^k
<p>^a The low and high relative humidity levels are limited by the low and high absolute humidity. See Annex A.</p> <p>^b Averaged over a period of 5 min.</p> <p>^c The value of 70 kPa represents a limit for open-air conditions, normally at an altitude of 3 000 m. In some geographical areas, open-air conditions may occur at higher altitudes. Conditions in mines are not considered. If applicable, a special value may be selected from Table 2.</p> <p>^d A cooling system based on non-assisted convection may be disturbed by adverse movement of surrounding air.</p> <p>^e This rain temperature should be considered together with high air temperature and solar radiation. The cooling effect of the rain should be considered in connection with the surface temperature of the product.</p> <p>^f If applicable, a special value may be selected from Table 2.</p> <p>^g Applies only to wind-driven precipitation at sheltered locations.</p> <p>^h Thermal effect of solar radiation is included in the temperature.</p> <p>ⁱ Thermal effect of solar radiation is not included in the temperature.</p> <p>^j Sources of water other than rain are encompassed in driving rain.</p> <p>^k Formation of frost can occur due to heat radiation to a clear sky.</p> <p>^l From sea level.</p> <p>^m See IEC 60721-2-2 for additional information.</p>						