

CERTIFICATE

for a Product with Cybersecurity Requirements as per
IEC 62443-4-2:2019



In accordance with TÜV NORD CERT procedures, it is hereby certified that

Rittal GmbH & Co. KG
Auf dem Stuetzelberg
35745 Herborn
Germany

meets the requirements of the standards listed above with the following development:

Liquid cooling unit LCU Software Version V10.1

Certificate Registration No. 44 331 20172613
Audit Report No. 3541 3134

Valid from 2025-12-11
Valid until 2028-12-10
Initial certification 2025


Certification Body
at TÜV NORD CERT GmbH

Essen, 2025-12-11

This certification was conducted in accordance with the TÜV NORD CERT test and certification procedures and is subject to regular surveillance audits. Further details and technical data can be found in the annex.

ANNEX

to Certificate Registration No. 44 331 20172613
IEC 62443-4-2:2019

Product description:	The LCU CW is essentially an air/water heat exchanger that is used to dissipate high heat losses from server enclosures or for the effective cooling of devices built into a server enclosure. The air routing in the LCU CW supports the "front to back" cooling principle of the devices built into the server enclosure. The hot air expelled by the devices in the server enclosure is drawn in by the fans and thus routed through the heat exchanger module. In the heat exchanger module, the heated air is directed through an air/water heat exchanger, and its thermal energy (heat losses from the server) is transferred to a cold water system. As a result, the air is cooled to a freely selectable temperature within the authorised parameters and then routed directly in front of the 482.6 mm (19") level in the server enclosure.
Product description:	-
Test result details:	During the Assessment, it was examined whether the scope i.e. the product Liquid cooling unit LCU CW v10.1.0 is compliant with the requirements of IEC 62443-4-2 SL-2. The assessment was carried out on the following basis: • Document assessment of the product • Configuration analysis of the product Live Demo of the product and its capability of security measures in the product.
Limits of evaluation:	-


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Verified security requirement:	IEC 62443-4-2, SL-2			
Product use/intended use:	The product supports functionality power distribution unit for use in IT racks and has the capability supporting security measures according to IEC 62443-4-2, SL-2			
Test Cover	On-site Assessment, Configuration analysis			
Hints	-			
Hardware and software versions	Hardware Version	Software Version	Checksum	
	-	V10.1	-	


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