



valid until: February 7, 2030

Fraunhofer

TESTED[®] DEVICE

igus GmbH
SKS28.068.02.1

Report No. IG 2501-1587

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

This is to certify that the product mentioned above, provided by

igus GmbH
Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IG 2501-1587.

The Clean Room corrugated Energychain - e-skin SKS28.068.02.1 (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 5 %), it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	1
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	2
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	2
Overall result	2

Please note: Transport damages, incorrect installation, aging behavior etc. can influence the test result.

IG 1907-1125
Report No. first document

Stuttgart, August 23, 2019
Place, date of first document issued

IG 2501-1587
Report No. current document

Stuttgart, February 7, 2025
Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.