

Fraunhofer

TESTED[®] DEVICE

igus GmbH SKS28.068.02.1

Report No. IG 2411-1575

Single product
Particle emission
in Dry-Cleanroom
with Pre-aging

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 2411-1575.

When operated under the specified test conditions (room temperature of 22 °C \pm 1 °C; dew point: -40 °C \pm 2 °C), the SKS28.068.02.1 of the e-skin serial SKS28 (color: white) is suitable for use in dry-cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Pre-aging, operation time in dry room: 10 months, 15.102.956 cycles	
Test parameter(s)	Air Cleanlines Class
$v_1 = 0.5 \text{m/s}; a_1 = 1.0 \text{m/s}^2$	4
$v_2 = 1.0 \text{m/s}; a_2 = 2.0 \text{m/s}^2$	4
$v_3 = 2.0 \text{m/s}; a_3 = 4.0 \text{m/s}^2$	4
Overall result	4

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

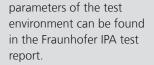
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Stuttgart, February 3, 2025

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Place, current date



first document was issued. The document can be verified under

www.tested-device.com

Detailed information and

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the



IPA