



Product Service

# CERTIFICATE

No. Z10 136117 0001 Rev. 00

**Holder of Certificate:** TWK-Elektronik GmbH  
 Bismarckstrasse 108  
 40210 Düsseldorf  
 GERMANY

**Certification Mark:**



**Product:** Safety components  
 Inertial Measurement Unit

**Model(s):** NBN45-G/S3

**Parameters:** Supply voltage: 9 ... 36V DC  
 Operating temperature: -40°C ... +85°C


**Tested according to:** EN ISO 13849-1:2023 (up to Cat. 2 PL d)  
 EN 61508-1:2010 up to SIL 2  
 EN 61508-2:2010 up to SIL 2  
 EN 61508-3:2010 up to SIL 2

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** TD106241C

**Valid until:** 2030-05-26

**Date,** 2026-02-03

  
 ( Thomas Kreten )