



Product Service

# CERTIFICATE

No. Z10 027759 0005 Rev. 00

**Holder of Certificate:** Knick Elektronische Messgeräte  
GmbH & Co. KG  
Beuckestr. 22  
14163 Berlin  
GERMANY

**Certification Mark:**



**Product:** Railway Vehicles - Equipment  
Speed Signal Doubler P16800

**Model(s):** P168\*\*P31/\*0

**Parameters:** Input: 10 .. 33,6 VDC or 6/7 .. 14/20 mA  
Nominal aux.voltage: 24 VDC  
Temperature class: OT4 / ST1 / ST2  
Fire safety classification: Hazard Level HL3

**Tested according to:** EN 50155:2021  
EN 45545-2:2020

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 and certification 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.:** KB99457T

**Valid until:** 2027-09-20

**Date,** 2022-09-22

( Alfred Beer )