



CERTIFICATE FI/42569 Issue 1

Our Ref. HEL-CERT260300434-01



Product Optocoupler

Type KPS2801, KPS2802, KPS2805, KPS2806, KPS2832

Trademark 

Certificate Holder Cosmo Electronics Corp
11 F., No. 258, LianCheng Rd., Zhonghe Dist., New Taipei City, 235038, Taiwan

Technical information temperature: 115 °C max.

Other information -

The product is certified according to the following standard(s) EN IEC 62368-1:2024 + A11:2024

Validity This certificate is valid until 2031-03-27 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

Date of issue 2026-03-27

SGS Fimko Oy

Signature



Jari Merikari
Certification Manager



Manufacturer

Cosmo Electronics Corp
11 F., No. 258, LianCheng Rd., Zhonghe Dist., New Taipei City, 235038,
Taiwan

Manufacturing site

PT Cosmo Technology
JL. Raya Cibadak Segog KM. 14, Kecamatan Cibadak, 43351,
Kabupaten Sukabumi, Jawa Barat, Indonesia

Additional information

According to standard EN IEC 62368-1:2024/A11:2024, optocoupler used as safeguard shall comply with the requirements of clause 5.4 or Annex G.12. G.12 requires component to fulfill standard IEC 60747-5-5:2020.

In addition, the type testing voltage Vini,a and routine testing voltage Vini,b shall be at least equal to the appropriate test voltage in EN IEC 62368-1:2024/A11:2024 clauses 5.4.9.1 and 5.4.9.2.

Models have been tested and certified by VDE certificate Ref. No. VDE 40010469 (2023-08-25) according to the standard EN IEC 60747-5-5:2020. The used test voltages for Vini,a and Vini,b are 3750 Vpeak.

For ITAV applications, based on test voltages, optocouplers can be used as basic or supplementary insulation in implementation where nominal mains voltage is max.300V and required withstand voltage 2500VPEAK.

Clearance requirements applied according to procedure 1 with temporary overvoltage of 2500Vpeak.

Vini,b voltages are defined in accordance with the EN IEC 62368-1:2024/A11:2024 standard. See clause G.12 for more information.

Complying other insulation requirements construction of the optocouplers, final assembly as well as environmental conditions shall be considered.

As shown in the Test Report(s) No(s): HELES2602000186-1