



CERTIFICATE FI/42589 Issue 1

Our Ref. HEL-CERT260400503-01



Product Optocoupler

Type KP-series, K1010., K2010., K3010., K1010L

Trademark 

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

Technical information Operating temperature: 115 °C max.

Other information See page 2

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

Validity This certificate is valid until 2031-04-21 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 2026-04-21

SGS Fimko Oy

Signature


Jonas Leinonen
Certification Manager

Page 1 of 2

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Certificate issued by

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Manufacturer

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Manufacturing site

PT Cosmo Technology
JL. Raya Cibadak Segog KM. 14, Kecamatan Cibadak, 43351,
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Additional information

Models in KP series:
KP1010, KP1020., KP1110, KP1040., KP2010, KP3010, KP3020.,
KP3040., KP4010., KP4020., KP4040., KP5010., KP6010.

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 101347 (updated 2023-08-28) according to the standard EN IEC 60747-5-5:2020. The used test voltages for Vini,a and Vini,b are 6000 Vpeak.

For ITAV applications, based on test voltages, optocouplers can be used as basic or supplementary insulation in implementation where withstand voltage and insulation boundary is:

AC Mains 300V, OVC III, Required withstand voltage 4000Vpeak, TOV 2500Vpeak, reinforced insulation.

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): HELES2602000191-1