CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference Issue Date 20231025_4790940320 E141084_4790940320_DescriptionFS 2023-10-25

Issued to:

Kollmorgen Europe GmbH Pempelfurtstr. 1, 40880, Ratingen, Germany Drive P80360 Series R4E Version

This is to certify that representative samples of

Have been investigated by UL in accordance with the Standards indicated on this Certificate.

Standard(s) for Safety:

ISO 13849-1 Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design, Ed. 3, 2015-12-15

ISO 13849-2 Safety of machinery - Safety-related parts of control systems -Part 2: Validation, Ed. 2, 2012-10-15



Bruce A. Mahrenholz, CPO Director, North American Certification Programs

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

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Additional Information:

Safe Torque Off (STO) function, complies with the requirements for the following functional safety ratings:

• PL e, Category 4

Further safety-related data:

- Max Response time: 100 ms
- MTTF_D (Calculated): 351 years – R4E Version
- PFH_D: 7.04*10⁻⁹ / hour - R4E Version
- Mission time: 20 years

The product must be installed, operated, and maintained, in accordance with the instructions for use.

Expiration date:

Bruce A. Mahrenholz, CPO Director, North American Certification Programs

2025-May-3rd



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UL LLC

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Please note that the Functional Safety Certificate (in accordance with UL's product category FSCO) will not imply that UL has Listed, Classified or Recognized the product nor will the attached Report authorize the use of Listing, Classification, or Recognition Marks or other references to UL, on these products.

Reviewed by:

Franz Xaver Brandl Functional Safety Staff Engineer

André Thieme Principal Engineer Dieter Petter Functional Safety Senior Project Engineer

Bruce A. Mahrenholz, CPO Director, North American Certification Programs



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