

FUNCTIONAL SAFETY CERTIFICATE

This is to certify that the Functional Safety Capability of



Renishaw Plc
New Mills
Wotton Under Edge
England
GL12 8JR

has been assessed by Sira Certification Service
and found to comply with

IEC 61508 Part 1:2010 Clause 6 Management of Functional Safety

when assessed using the

The CASS guide to Functional Safety Capability

and complies with

ISO 13849-1:2015: Safety of Machinery

when assessed using the CSA-Sira FORM 545.23

The certified scope is as a manufacturer of electrical/electronic application independent components/products for use within safety-related systems up to and including SIL 3 capability, and category 3 performance level PL e, as detailed in the attached schedule.*

* The declaration of conformity issued by Renishaw PLC is not implicit of the achieved Safety Integrity Level (SIL) of the safety related system. Final SIL verification is required by users of the products manufactured by Renishaw PLC.



Approved by:

James Lynskey
Certification Decision Maker

This certificate may only be reproduced in its entirety without any change.



Certificate No: SIRA CASS 00023/02
Initial certification: 18 November 2016
This certificate issued: 09 September 2022
Renewal date: 17 November 2025
Form 7015 issue 3



Sira Certification Service
Part of CSA Group UK
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

SCHEDULE

Applicable components/products

- Rotary and linear encoder systems.

Applicable Standards

- IEC 61508-1 Clause 7 Phase 10 – Realisation of safety-related elements (Hardware & Software) – Up to SIL 3 Capability
- ISO 13849-1:2015: Safety of Machinery – Safety-related parts of control systems – Part 1: General principles for design. – Up to Category 3, performance level (PL) e

General Information and Conditions of Certification

1. This certificate is based on Sira Test & Certification assessment report R70060535A, R70060535B, R70060535C, R80001954A & R80133014A.
2. Revisions to procedures that impact functional safety shall be reviewed by Sira before their application.
3. Details of the CASS (Conformity Assessment of Safety-related Systems) Scheme can be found from www.61508.org
4. The certified company shall maintain its management of functional safety and associated procedures to the required standards which will be monitored and re-assessed by Sira.
5. If the management of functional safety and associated procedures are found not to comply, Sira Certification Service should be notified immediately at the address shown on this certificate
6. This certificate will remain valid subject to completion of one surveillance audit within the three-year certification cycle, and upon receipt of acceptable response to any findings raised during this period. This certificate can be withdrawn if the manufacturer no longer satisfies scheme requirements.
7. The use of this Certificate and the Sira Certification Mark are subject to the 'Regulations Applicable to the Holders of Sira Certificates' and the 'Supplementary Regulations Specific to Functional Safety Certification'
8. This document remains the property of Sira and shall be returned on request of the issuer.



Certificate No: SIRA CASS 00023/02
Initial certification: 18 November 2016
This certificate issued: 09 September 2022
Renewal date: 17 November 2025
Form 7015 issue 3



0011

Sira Certification Service
Part of CSA Group UK
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Certificate History

Issue	Date	Report no.	Comment
00	18/11/2016	R70060535A R70060535B R70060535C.	Prime certificate issued to client.
01	09/07/2019	R80001954A	Certificate update following successful recertification audit. ISO 13849 added to CASS certificate.
02	09/09/2022	R80133014A	Certificate update following successful recertification audit. ISO 13849 performance level e added to CASS certificate.



Certificate No: SIRA CASS 00023/02
 Initial certification: 18 November 2016
 This certificate issued: 09 September 2022
 Renewal date: 17 November 2025
 Form 7015 issue 3



0011

Sira Certification Service
Part of CSA Group UK
 Unit 6 Hawarden Industrial Park,
 Hawarden, CH5 3US, United Kingdom
 Tel: +44 (0) 1244 670900
 Email: ukinfo@csagroup.org
 Web: www.csagroupuk.org