

Renishaw plc

New Mills, Wotton-under-Edge,
Gloucestershire GL12 8JR
United Kingdom

Tel +44 (0) 1453 524524
Fax +44 (0) 1453 524901
Email uk@renishaw.com
www.renishaw.com

RENISHAW 
apply innovation™



FUNCTIONAL SAFETY CERTIFICATE

Renishaw plc declares that, under the terms of CSA SIRA functional safety certificate SIRA CASS00023/01, for the management of functional safety activities up to SIL3/PLd, the RESOLUTE™ BiSS Safety readhead:

- with up to 10m cable length,
- and when used with suitable rotary and linear scale types,
- and when used with Renishaw approved extension cables,

has been independently assessed by the Renishaw plc Functional Safety Authority and have been found to meet the requirements of:

- BS EN IEC 61508-1:2010, BS EN IEC 61508-2:2010 and BS EN IEC 61508-3:2010
- BS EN 61800-5-2:2017 (IEC 61800-5-2:2016)
- BS EN ISO 13849-1:2015 and BS EN ISO 13849-2:2012

when used as an element / subsystem for use in safety related systems performing safety functions up to and including:

- SIL2 with HFT = 0 (1oo1),
- Category 3, PLd.

Notes:

This product must not be put into service until it has been installed and commissioned in accordance with the instructions detailed by the RESOLUTE™ FS Installation Guide and Safety manual with *BiSS® Safety* encoder system (M-9755-9109).

- For full details of the safety function, the functional safety data, fault exclusions and the limitations of use, see the above document.
- The above document can be accessed at www.renishaw.com/fsencoders.

The person authorised to conduct the functional safety assessment and issue the functional safety certificate is:

Martin Curtis, Functional Safety Authority (Encoder Products Division)
Renishaw plc, New Mills, Wotton-under-Edge, Gloucestershire, GL12 8JR, United Kingdom.

18/11/2019

X M Curtis

Martin Curtis
Functional Safety Authority (EPD)
Signed by: Martin Curtis

Place: Wotton-under-Edge.

This certificate is valid until 18th November 2024.

Functional safety certificate number FSC002-01

Page 1 of 1