

# Certificate



**No.: 968/FSP 2132.00/20**

<b>Product tested</b>	Integrated Safety Functions STO, SS2-r, SLS and SOS of the Xanthus Drive Unit	<b>Certificate holder</b>	Amazon Robotics, LLC 300 Riverpark Drive North Reading, MA 01864 USA
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<b>Type designation</b>	X for details of the module types see current "Revision List".
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<b>Codes and standards</b>	IEC 61800-5-2:2016 (in extracts) IEC 62061:2005 + A1:2012 + A2:2015	ISO 13849-1:2015 IEC 61508 Parts 1-7:2010
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<b>Intended application</b>	The integrated safety functions STO, SS2-r, SLS and SOS comply with the requirements of SIL 2 / SILCL 2 according to IEC 61800-5-2 / IEC 61508 / IEC 62061 and Cat. 3 / PL d according to ISO 13849-1. They can be used up to these safety levels in the Mobile-robotic Sortation Systems (MSS), a configuration specific application of the Mobile-robotic Fulfilment System (MFS), to sort packages within an Amazon warehouse.
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<b>Specific requirements</b>	The instructions of the associated Installation, Operating and Safety Manual shall be considered.
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Valid until 2025-11-05

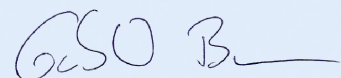
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 2132.00/20 dated 2020-11-05.

This certificate is valid only for products which are identical with the product tested.

**TÜV Rheinland Industrie Service GmbH**  
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Köln, 2020-11-05

Certification Body Safety & Security for Automation & Grid

  
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