

**CERTIFICATE NO FS/71/220/21/0756**

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ZERTIFIKAT NR.:

SEITE(N)

**LICENCE HOLDER**  
GENEHMIGUNGSINHABER

ABB AG  
Division Robotics  
Dornierstr. 21  
82205 Gilching, Germany

**MANUFACTURING PLANT**  
FERTIGUNGSTÄTTE

ABB, Robotics & Discrete Automation,  
Shanghai, China with authorized  
representative, ABB Robotics,  
721 68 Västerås, Sweden

**PROJECT NO/-ID**  
PROJEKT-NR/-ID

P2RJ

**LICENSED TEST MARK**  
GENEHMIGTES PRÜFZEICHEN



**Technical REPORT NO.**  
TECHNISCHER BERICHT NR.

P2RJ0004, P2RJ0007

**Tested according to**  
Geprüft nach

ISO 13849-1:2015  
IEC 60204-1:2016  
ISO 10218-1:2011

**Certified product(s)**  
Zertifizierte(s) Produkt(e)

Robot System

**Model(s)**  
Modell(e)

- CRB 15000 Robot
- Manipulator CRB 15000: 3HAC074302-001
  - OmniCore C30: 3HAC075639-001
  - FlexPendant: 3HAC065726-001 / -002 / -003
  - Control Cable Hybrid Power: 3HAC073212-002 (Floor Cable)

**Technical Data and Parameter**  
Technische Daten und Parameter

The product fulfils the requirements of functional safety acc. to ISO 13849 in accordance with PL d. It is designed with a hardware architecture according Category 3.

**Specific Requirements**  
Spezifische Anforderungen

This certificate confirms the achievement of the requirements based on the following proof:

- Proof of the techniques and measures according to ISO 13849-1, -2, IEC/EN 60204-1 and ISO 10218-1
- Proofs that processes and methods are established at the manufacturer guaranteeing that unexceptionable processes in terms of risk analysis, design, production, validation, change management and quality management comply with the safety-related standard (see P2RJ0004, P2RJ0007)

**Certification Body for Functional Safety**  
**SGS-TÜV Saar GmbH**

Zertifizierungsstelle für Funktionale Sicherheit

Munich, 2021-10-04

Robert Sammer

The test mark regulation is an integral part of this certificate.  
Die Prüf- und Zertifizierungsordnung ist integraler Bestandteil des Zertifikates.

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