

Certificate



Nr./No.: 968/FSP 1774.03/20

Prüfgegenstand Product tested	T3 Offline-Tool zur Konfiguration sicherer Steuerungen T3 off-line support tool for the configuration of safety controllers	Zertifikats- inhaber Certificate holder	ifm electronic GmbH Friedrichstr. 1 45128 Essen Germany
Typbezeichnung Type designation	ifm Maintenance API CP9030 bestehend aus mehreren API Bibliotheken (siehe Versionsliste) ifm Maintenance API CP9030 composed of several API libraries (see revision list)		
Prüfgrundlagen Codes and standards	IEC 61508-3:2010 (in extracts)		
Bestimmungsgemäße Verwendung Intended application	Die ifm Maintenance API erfüllt die Anforderungen für ein T3-Offline-Tool gemäß der IEC 61508-3. The ifm Maintenance API fulfils the requirements of a T3 off-line support tool according to IEC 61508-3.		
Besondere Bedingungen Specific requirements	Die Hinweise zu Einsatzbedingungen und funktionalen Besonderheiten in der zugehörigen Benutzerdokumentation des Herstellers sind zu beachten. Die jeweils aktuellen Softwareversionen sowie die gültigen Ausgaben der Benutzerdokumentation sind der aktuell gültigen Versionsliste zu entnehmen. The notes on operating conditions and functional constraints in the manufacturer's user documentation must be observed. The valid software versions and the valid versions of the user documentation can be found in the current revision list.		

Gültig bis / Valid until 2025-12-10

Der Ausstellung dieses Zertifikates liegt eine Evaluierung entsprechend dem Zertifizierungsprogramm
CERT FSP1 V1.0:2017 in der aktuellen Version zugrunde, deren Ergebnisse im Bericht Nr. 968/FSP 1774.03/20 vom
08.12.2020 dokumentiert sind. Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand
übereinstimmen.

The issue of this certificate is based upon an evaluation in accordance with the Certification Program
CERT FSP1 V1.0:2017 in its actual version, whose results are documented in Report No. 968/FSP 1774.03/20 dated
2020-12-08. This certificate is valid only for products, which are identical with the product tested.

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Köln, 2020-12-10

Certification Body Safety & Security for Automation & Grid

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Genau. Richtig.

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Software Tools

Type Designation	Description	SW Version	Report-No.:	Certification Status
CP9030	Application Programming Interface (API) for the configuration of ifm Controllers	V02.00.xx	968/FSP 1774.00/18	<i>Valid</i>
CP9030	Application Programming Interface (API) for the configuration of ifm Controllers	V02.01.xx	968/FSP 1774.01/19	<i>Valid</i>
CP9030	Application Programming Interface (API) for the configuration of ifm Controllers	V02.02.xx	968/FSP 1774.02/20	<i>Valid</i>

Software Libraries

Type Designation	Description	SW Version	Report-No.:	Certification Status
ifmApiEcCrc.dll	Library for CRC handling for data integrity checks	V2.1.x	968/FSP 1774.03/20	<i>Valid</i>
ifmApiEcCom.dll	Communication channel library for sending and receiving data using CANopen protocols	V2.1.x	968/FSP 1774.03/20	<i>Valid</i>
ifmApiEcmntCmd.dll	Library for reading/loading data elements from/to the ifm Controllers	V2.2.x	968/FSP 1774.03/20	<i>Valid</i>

Safety Manual / User documentation

Document	Description	Version	Report-No.:	Certification Status
ifm API - Part I - Documents Overview.pdf	Documentation Overview	2.0	968/FSP 1774.00/18	Valid
ifm API - Part II - System Specification.pdf	System Specification	2.0	968/FSP 1774.00/18	Valid
ifm API - Part III - Command Reference - Core Functionalities.pdf	Reference Manual - Core Functionalities	2.0	968/FSP 1774.00/18	Valid
ifm API - Part IV - Command Reference - Basic and ClassicExtended Controllers.pdf	Reference Manual - BasicSystem and ClassicLine Controllers	2.0	968/FSP 1774.00/18	Valid
ifm API - Part VII - Command Reference - ResourceHandler.pdf	Reference Manual - Resource Handler	2.0	968/FSP 1774.00/18	Valid
ifm API - Part X - Checklist - Safety Devices.pdf	Reference Manual - Safety checklist	1.0	968/FSP 1774.00/18	Valid
ifm API - Part I - Documents Overview.pdf	Documentation Overview	2.1	968/FSP 1774.01/18	Valid
ifm API - Part II - System Specification.pdf	System Specification	2.1	968/FSP 1774.01/18	Valid
ifm API - Part III - Command Reference - Core Functionalities.pdf	Reference Manual - Core Functionalities	2.1	968/FSP 1774.01/19	Valid
ifm API - Part IV - Command Reference - Basic and ClassicExtended Controllers.pdf	Reference Manual - BasicSystem and ClassicLine Controllers	2.1	968/FSP 1774.01/19	Valid
ifm API - Part V - Command Reference - ecomatController.pdf	Reference Manual - ecomatController	2.1	968/FSP 1774.01/19	Valid
ifm API - Part V - Command Reference - ecomatController.pdf	Reference Manual - ecomatController	2.2	968/FSP 1774.02/20	Valid
ifm API - Part V - Command Reference - ecomatController.pdf	Reference Manual - ecomatController	2.3	968/FSP 1774.03/20	Valid

Document	Description	Version	Report-No.:	Certification Status
ifm API - Part VII - Command Reference - ResourceHandler.pdf	Reference Manual - Resource Handler	2.1	968/FSP 1774.01/19	<i>Valid</i>
ifm API - Part X - Checklist - Safety Devices.pdf	Reference Manual - Safety checklist	2.1	968/FSP 1774.01/19	<i>Valid</i>
ifm API - Platform Specific Component Requirements.pdf	ifm API Version 2.1 Component Overview	-/-	968/FSP 1774.01/19	<i>Valid</i>

The content of this revision list has been mutually agreed between manufacturer and certification body.

Revision:

Date	Rev.	Description / Changes	Author
2018-11-29	1.0	Initial creation, based on Report-No.: 968/FSP 1774.00/18	fba/A-FS
2019-09-20	2.0	Revision List update, based on Report-No.: 968/FSP 1774.01/19	fba/A-FS
2020-08-10	3.0	Revision List update, based on Report-No.: 968/FSP 1774.02/20	fba/A-FS
2020-12-10	4.0	Revision List update, based on Report-No.: 968/FSP 1774.03/20	ds-fzw/A-FS