

Translation 6. SUPPLEMENT

to Certificate No. **TÜV 07 ATEX 554086 X**

Equipment: **WAGO-I/O-SYSTEM 750-*** and
WAGO-I/O-SYSTEM 758-87X, IPC-XX X Linux 2.6**

Manufacturer: **WAGO Kontakttechnik GmbH & Co. KG**

Address: **Hansastraße 27
32423 Minden**

Order number: **8000416153**

Date of issue: **30.01.2013**

Amendments:

The WAGO-I/O-SYSTEM 750-*** is supplemented. The following types are assessed for this certificate:

Programmable Fieldbus Coupler			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-303		PROFIBUS DP/FMS 12 MBd	1
750-304		Interbus	1
750-305		CAL	1
750-306		DeviceNet	1
750-307		CANopen	1
750-310	51247154	CC-LINK	1
750-312		Modbus/RS 485/150-19200Bd	1
750-314		Modbus/RS 232/150-19200Bd	1
750-315		Modbus/RS 485/ 1,2-115,2kBaud	1
750-316		Modbus/RS 232/1,2-115,2kBaud	1
750-319		LonWorks	1
750-323		Profibus DP 12 MBd/ Digital	1
750-324		Interbus/ Digital	1
750-333	51247152	Profibus DP/ V1	1
750-337	51205056	CANopen	1
750-338		CANopen	1
750-340		Profinet IO	1
750-341		ETHERNET TCP/IP 100MBit/s	1
750-342		ETHERNET	1
750-343		Profibus DP	1
750-344		Interbus DP 500kBit/s	1
750-345		Interbus DP 2MBit/s	1
750-346		DeviceNet	1
750-347	51205055	CANopen	1
750-348		CANopen	1
750-351		SERCOS III Fieldbus-Coupler 2-port 100 MBit/s	1
750-352	51247153	ETHERNET Fieldbus Coupler 10/100MBit/s	1
750-352/020-000		ETHERNET TCP/IP 10/100 MBit/s	1
750-354		Fieldbus Coupler 100MBit/s	1
750-370		Fieldbus Coupler port 100 MBit/s	1

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Programmable Fieldbus Controller			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-804		Interbus DP 500kBit/s	1
750-806		DeviceNet	1
750-812		Modbus/RS 485/150-19200Bd	1
750-814		Modbus/RS 232/150-19200Bd	1
750-815		Modbus/RS 485/ 1,2-115,2kbaud	1
750-816		Modbus/RS 232/1,2-115,2kbaud	1
750-819		LonWorks	1
750-830		BACnet/IP	1
750-833		Profibus DP/ V1	1
750-837		CANopen	1
750-838		CANopen	1
750-841		ETHERNET Controller 100MBit/s	1
750-842		ETHERNET	1
750-843		Fieldbus Controller TCP/IP 10MBit/s	1
750-849		KNX IP Fieldbus Controller 10/100 MBit/s	1
750-860		Linux	1
750-833		Linux Ethernet Controller, RS-232	1
750-863		Linux Ethernet Controller, RS-232	1
750-871		ETHERNET TCP/IP 2Port	1
750-872		Fieldbus Controller for Telecontrol Applications	1
750-873		Ethernet TCP/IP & RS232	1
750-880		Fieldbus-Controller Ethernet 10/100 MBit/s	1
750-881		Fieldbus-Controller Ethernet 10/100 MBit/s	1
750-882		Fieldbus-Controller Ethernet 10/100 MBit/s	1
750-884		Application Controller BA	1
750-885		Ethernet MR/SD Fieldbus-Controller	1

Analog Output Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-550	51205042	2 AO 0-10V	1
750-552		2 AO 0-20mA	1
750-553		4 AO 0-20mA	1
750-554	51205041	2 AO 4-20mA	1
750-555	51205040	4 AO 4-20mA	1
750-556		2 AO $\pm 10V$	1
750-557	51205039	4 AO $\pm 10V$	1
750-559	51205038	4 AO 0 - 10V	1
750-560		2 AO 0 - 10V	1
750-562		2 AO 0 - 10V / -10...+10V DC	1
750-563		2 AO 0/4 - 20mA 6 - 18V	1

Ex-i Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
288-936		Resistance coupling element	6
750-435		1DI NAMUR Ex i	3
750-438		2DI NAMUR Ex i	3
750-481/003-000		2AI RTD Ex i	3
750-487/003-000		2AI TC Ex i	3
750-484		2AI 4-20mA S.E. HART Ex i	3
750-485		2AI 4-20mA Ex i	4
750-535		2DO 24V DC EX i	4
750-585		2AO 0-20mA Ex i	3
750-586		2AO 4-20mA Ex i	3
750-606		24V DC 1,0A power supply Ex i	5
750-625/000-001		24V DC 1,0A power supply Ex i (without diagnostics)	5
750-633		Up/Down Counter Ex i	3

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Digital Input Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-400		2 DI 24V DC, high-side switching, 3.0ms	1
750-401		2 DI 24V DC, high-side switching, 0.2ms	1
750-402	51205054	4 DI 24V DC, high-side switching, 3.0ms	1
750-403		4 DI 24V DC, high-side switching, 0.2ms	1
750-404	51244881	Up/Down Counter	1
750-405		2 DI 230V AC, high-side switching	1
750-406		2 DI 120V AC, high-side switching	1
750-408		4 DI 24V DC, low-side switching, 3.0 ms	1
750-409		4 DI 24V DC, low-side switching, 0.2 ms	1
750-410		2 DI 24V DC, high-side switching, 3.0 ms	1
750-411		2 DI 24V DC, high-side switching, 0.2 ms	1
750-412		2 DI 48V DC, high-side switching	1
750-415		4 DI 24V AC / DC	1
750-418		2 DI 24V DC, high-side switching, diagnostic	1
750-419		2 DI 24V DC, high-side switching, diagnostic	1
750-421		2 DI 24V DC, high-side switching, diagnostic	1
750-422		4 DI 24V DC, high-side switching	1
750-423		4 DI 24V AC / DC	1
750-424		2 DI Intruder Detection	1
750-425		2 DI NAMUR	1
750-427		2 DI 110V DC	1
750-428		4 DI 42V AC / DC	1
750-429		2 DI 60V DC	1
750-430	51205053	8 DI 24V DC, high-side switching	1
750-431	51205052	8 DI 24V DC, high-side switching	1
750-432		4 DI 24V DC, high-side switching	1
750-433		4 DI 24V DC, 0.2ms / 2wire	1
750-434		8 DI 5-14V DC, high-side switching	1
750-436		8 DI 24V DC, low-side switching, 3.0 ms	1
750-437		8 DI 24V DC, low-side switching, 0.2 ms	1
750-440		4 DI 120 (230) V AC	1
750-1400		16 DI 24V DC Ribbon cable, high-side switching	1
750-1402		16 DI 24V DC Ribbon cable, low-side switching	1
750-1405		16 DI 24V DC, high-side switching	1
750-1406		16 DI 24V DC, high-side switching	1
750-1407		16 DI 24V DC, low-side switching	1
750-1415		8 DI 24V DC, high-side switching, 2-conductor	1
750-1416		8 DI 24V DC, high-side switching, 2-conductor	1
750-1417		8 DI 24V DC, low-side switching, 2-conductor	1
750-1418		8 DI 24V DC, low-side switching, 2-conductor	1
750-1420		4 DI 24V DC, high-side switching, 3-conductor	1
750-1421		4 DI 24V DC, high-side switching, 3-conductor	1
750-1422		4 DI 24V DC, low-side switching, 3-conductor	1
750-1423		4 DI 24V DC, low-side switching, 3-conductor	1

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Special and System Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-600	51205037	End Module	1
750-601		24V DC Power Supply / Fuse	1
750-602	51205036	Supply Module 24V DC	1
750-603		Field Side Connection Module 24 V DC	1
750-604		Field Side Connection Module 0 V DC	1
750-609		Supply Module 230V AC	1
750-610		Supply Module 24V DC	1
750-611		Supply Module 230V AC	1
750-612		Supply Module 230V AC/DC	1
750-613	51244880	Internal System Supply Module 24V DC	1
750-614		Field Side Connection Module	1
750-615		Supply Module 120V AC	1
750-616		Distance Module	1
750-621		Distance Module (Power Cont.)	1
750-622		Binary Spacer Module	1
750-623		24V DC Power Supply 5-15V DC	1
750-624		24V DC Field Side Power Supply Filter (Surge)	1
750-624/020-000		24V DC Field Side Power Supply Filter (Surge)	1
750-626		24V DC Power Supply Filter (Surge)	1
750-626/020-000		24V DC Power Supply Filter (Surge)	1
750-630	51205057 51214834	SSI Transmitter-Interface	1
750-635		Digital Impulse Interface	1
750-637	51205116	Incremental Encoder Interface	1
750-637/000-001		Incremental Encoder Interface	1
750-638		2-Channel Up/Down Counter 24V DC	1
750-640		RTC Module	1
750-641		DALI/DSI Master Module	1
750-642		Radio Receiver Module	1
750-643		MP-Bus Master Module	1
750-644		Bluetooth / RF Transceiver	1
750-645		2-Channel Vibration Velocity/ Bearing Condition	1
750-650		Serial Interface RS-232 C	1
750-652		Serial Interface RS-232 / RS-485	1
750-653		Serial Interface RS-485	1
750-655		AS-Interface Master	1
750-660/000-001		8DI PROFIsafe V1.3 Module	1
750-661/000-003		4FDI PROFIsafe V2 iPar	1
750-662/000-003		8FDI PROFIsafe V2 iPar	1
750-665/000-001		4DI and 4DO PROFIsafe V1.3 Module	1
750-666/000-003		4DI and 2DO PROFIsafe V2 Module	1
750-667/000-003		4FDI and 4FDO PROFIsafe V2 iPar	1
750-670		Stepper Controller RS-422 / 24 V / 20 mA	1
750-671		Stepper Controller 24 V / 1,5 A	1
750-960		Profibus Fieldbus Connector	1
750-961		Fieldbus Connector Interbus IN	1
750-962		Fieldbus Connector Interbus OUT	1
750-963		CanOpen Fieldbus Connector	1
750-1605		24V DC Field side connection Module 16+	1
750-1606		0V DC Field side connection Module 16-	1
750-1607		24V / 0V DC Field side connection Module 8+ / 8-	1

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Analog Input Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-452		2 AI 0-20mA	1
750-453		4 AI 0-20mA	1
750-454		2 AI 4-20mA	1
750-455	51205051	4 AI 4-20mA	1
750-456		2 AI $\pm$ 10V	1
750-457	51205050	4 AI $\pm$ 10V	1
750-459	51205049	4 AI 0 - 10V	1
750-461	51205048	2 AI RTD	1
750-461/020-000		2 AI NTC	1
750-463		4- AI RTD for building automation	1
750-464		2-/ 4- AI RTD	1
750-464/020-000		4- AI NTC	1
750-465		2 AI 0-20mA	1
750-466	51205047	2 AI 4-20mA S.E.	1
750-467	51205047	2 AI 0 - 10V	1
750-468		4 AI 0 - 10V	1
750-469		2 AI for Thermocouples	1
750-470		2 AI 0-20mA	1
750-472		2 AI 0-20mA	1
750-473		2 AI 4-20mA	1
750-474		2 AI 4-20mA	1
750-475		2 AI 0 - 1A AC/DC	1
750-476		2 AI $\pm$ 10V	1
750-477		2 AI 0 - 10V	1
750-478		2 AI 0 - 10V AC/DC	1
750-479		2 AI $\pm$ 10V	1
750-480		2 AI 0-20mA	1
750-482		2 AI 4-20mA HART	1
750-483		2 AI 0 - 30V	1
750-492		2 AI 4-20mA	1
750-493		3-Phasen-Power Measurement 1A	1
750-493/000-001		3-Phasen-Power Measurement 5A	1
750-494		3-Phasen-Power Measurement 1A	1
750-494/000-001		3-Phasen-Power Measurement 5A	1

Industrial-PC			
Item No.	Ident.-No.	Description	Marking ¹⁾
758-874		Industrial-PC I/O-IPC-C6 Linux 2.6	1
758-875		Industrial-PC I/O-IPC-C10 E Linux 2.6	1
758-876		Industrial-PC I/O-IPC-P14 Linux 2.6	1

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Digital Output Modules			
Item No.	Ident.-No.	Description	Marking ¹⁾
750-501		2 DO 24V DC, high-side switching	1
750-502		2 DO 24V DC, 2,0A	1
750-504	51205045	4 DO 24V DC, high-side switching	1
750-506		2 DO 24V DC, high-side switching	1
750-507		2 DO 24V DC, high-side switching	1
750-508		2 DO 24V DC 2,0A Diagnosis	1
750-509		2 DO 230V AC/DC	1
750-511		2 DO 24V DC Pulse Width Output Module	1
750-512		2 DO 230V AC 2,0A/ Relay 2NO	2
750-513	51205044	2 DO Relay Output Module 230 V AC , 30 V DC	2
750-516		4 DO 24V DC, low-side switching	1
750-517		2 DO Relay Output Module 230V AC, 300V DC	2
750-522		2 DO Solid state 230V AC	1
750-530	51205043	8 DO 24V DC, high-side switching	1
750-531		4 DO 24V DC, 0,5A/ 2-Wire	1
750-532		4 DO 24V DC, high-side switching	1
750-534		8 DO 5 - 14V DC, high-side switching	1
750-536		8 DO 24V DC, low-side switching	1
750-537		8 DO 24V DC, high-side switching	1
753-540		4 DO Solid state 230V AC	1
750-1500		16 DO 24V DC Ribbon cable, high-side switching 0,5A	1
750-1501		16 DO 24V DC Ribbon cable, low-side switching 0,5A	1
750-1502		8 DI/DO 24V DC Ribbon cable, high side switching 0,5A	1
750-1504		16 DO 24V DC, high-side switching 0,5A	1
750-1505		16 DO 24V DC, low-side switching 0,5A	1
750-1506		8 DI/DO 24V DC, high side switching 0,5A	1
750-1515		8 DO 24V DC, high-side switching, 2-conductor 0,5A	1
750-1516		8 DO 24V DC, low-side switching, 2-conductor 0,5A	1

Some of the modules named above are also available as module type 753-xxx. The function is the same as type 750-xxx, the type 753-xxx use a pluggable wiring connector 753-110. 753-xxx are part of this certificate, too.

If a module 750-xxx is listed the same is valid for the module 753-xxx (i.e. 750-403 represented by 753-403).

75x-xxx is also valid for 75x-xxx/**-*** which means a customized software version.

Range of ambient temperature range of the module

The allowed temperature range is $0^{\circ}\text{C} \leq T_{\text{amb}} \leq 60^{\circ}\text{C}$.

If the module is available with suffix (extension) /025-xxx, the extended ambient temperature range $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ is valid.

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Electrical data

The electrical data is listed in the associated document 13 217 113457_electrical data for IEC-COC_5.sup.

The equipment incl. of this supplement meets the requirements of these standards:

EN 60079-0:2012
EN 60079-31:2009

EN 60079-11:2007

EN 60079-15:2010

Marking:

Kennz. ¹⁾	Kennzeichnungsvarianten	
1		I M2 Ex d I Mb II 3 G Ex nA IIC T4 Gc II 3 D Ex tc IIIC T135°C Dc
2		I M2 Ex d I Mb II 3 G Ex nA nC IIC T4 Gc II 3 D Ex tc IIIC T135°C Dc
3		I M2 (M1) Ex d [ia Ma] I Mb II 3 (1) G Ex nA [ia Ga] IIC T4 Gc II 3 (1) D Ex tc [ia Da] IIIC T135°C Dc
4		I M2 Ex d [ib] I Mb II 3 (2) G Ex nA [ib Gb] IIC T4 Gc II 3 (2) D Ex tc [ib Db] IIIC T135°C Dc
5		I M2 (M1) Ex d [ia Ma] I Mb II 3 G Ex nA IIC T4 Gc II 3 D Ex tc IIIC T135°C Dc
6		I M2 (M1) Ex d [ia Ma] I Mb II 1 G Ex ia [ia] IIC T4 Ga II 1 D Ex ia [ia] IIIC T135°C Da
		I M2 Ex d [ib] I Mb II 2 G Ex ib [ib] IIC T4 Gb II 2 D Ex ib [ib] IIIC T135°C Db
		I M2 Ex d I Mb II 3 G Ex ic [ic] IIC T4 Gc II 3 D Ex ic [ic] IIIC T135°C Dc

Note: The marking variants are assigned by their marking number to the modules listed in this certificate.

(16) The test documents are listed in the test report No. 13 203 113456.

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(17) Special conditions for safe use

1. For use as Gc- or Dc-apparatus (in zone 2 or 22) the Field bus Independent I/O Modules WAGO-I/O-SYSTEM 750-*** shall be erected in an enclosure that fulfils the requirements of the applicable standards (see the marking) EN 60079-0, EN 60079-11, EN 60079-15, EN 60079-31. For use as group I electrical apparatus M2 the apparatus shall be erected in an enclosure that ensures a sufficient protection according to EN 60079-0 and EN 60079-1 and the degree of protection IP64. The compliance of these requirements and the correct installation into an enclosure or a control cabinet of the devices shall be certified by an ExCB.
2. Measures have to be taken outside of the device that the rating voltage is not being exceeded of more than 40 % because of transient disturbances.
3. Dip-switches, binary-switches and potentiometers, connected to the module may only be actuated when explosive atmosphere can be excluded.
4. For all modules the following is valid: The connecting and disconnecting of the non-intrinsically safe circuits is only permitted during installation, for maintenance or for repair purposes. The temporal coincidence of explosion hazardous atmosphere and installation, maintenance resp. repair purposes shall be excluded.

This is although and in particular valid for the interfaces "Memory-Card", "USB", "Fieldbus connection", "Configuration and programming interface", "antenna socket", "D-Sub", "DVI-port" and the "Ethernet interface". These interfaces are not energy limited or intrinsically safe circuits. An operating of those circuits is in the behalf of the operator.

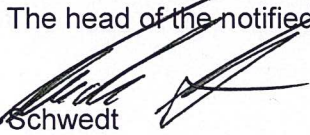
5. For the types 750-606, 750-625/000-001, 750-487/003-000, 750-484, 750-633 the following shall be considered: The Interface circuits shall be limited to overvoltage category I/II/III (non mains/mains circuits) as defined in EN 60664-1.
6. For replaceable fuses the following shall be considered: Do not remove or replace the fuse when the apparatus is energized.
7. The following warnings shall be placed nearby the unit:
WARNING – DO NOT REMOVE OR REPLACE FUSE WHEN ENERGIZED
WARNING – DO NOT SEPARATE WHEN ENERGIZED
WARNING – SEPARATE ONLY IN A NON-HAZARDOUS AREA

(18) Essential Health and Safety Requirements

no additional ones

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body


Schwedt

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