



**TYPE APPROVAL CERTIFICATE**  
No. ELE134212XG

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Distributed I/O Modules</b>
<i>Type</i>	<b>WAGO- I/O- SYSTEM 750 and 753; WAGO- Perspecto Modules 762; WAGO-I/O-IPC Modules 758</b>
<i>Applicant</i>	<b>WAGO Kontakttechnik GmbH D_32423 Minden, Hansastrasse 27 GERMANY</b>
<i>Manufacturer</i>	<b>WAGO Kontakttechnik GmbH</b>
<i>Place of manufacture</i>	<b>D_32423 Minden, Hansastrasse 27 GERMANY</b>
<i>Reference standards</i>	<b>Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.</b>

Issued in **HAMBURG** on **November 27, 2012**. This Certificate is valid until **November 26, 2017**

RINA  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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**WAGO- I/O- SYSTEM 750 and 753**  
**WAGO- Perspecto Modules 762**  
**WAGO-I/O-IPC Modules 758**

**Component description:**

**I/O - IPC Industrial compact PC - System 758**

758-870	I/O-IPC
758-870/000-001	I/O-IPC PROFIBUS Master
758-870/000-004	I/O-IPC PROFIBUS Slave
0758-0870/0000-0110	I/O-IPC-G2 Linux 2.6 CoDeSys Visu without Fieldbus
0758-0870/0000-0111	I/O-IPC-G2 Linux 2.6 CoDeSys Visu PROFIBUS DB Master
0758-0870/0000-0112	I/O-IPC-G2 Linux 2.6 CoDeSys Visu CANopen Master
0758-0875/0000-0110	I/O-IPC-C10 E Linux 2.6 CoDeSys Visu
0758-0875/0000-0111	I/O-IPC-C10 E Linux 2.6 CoDeSys Visu Profibus DP Master
0758-0875/0000-0112	I/O-IPC-C10 E Linux 2.6 CoDeSys Visu CANopen Master
0758-0875/0000-0130	I/O-IPC-C10 E Lnx TeleControl
0758-0875/0000-0131	I/O-IPC-C10E Lnx TeleControl PDP-M

**WAGO-Perspecto 762**

762-1035	Web Panel WP 35 QVGA
762-3035	Control-Panel CP 35 QVGA
762-3035/000-001	Control Panel CP 35 QVGA TV
762-1057	Web Panel WP 57 QVGA
762-3057	Control-Panel CP 57 QVGA
762-3057/000-001	Control Panel CP 57 QVGA TV

**WAGO-I/O- SYSTEM 750,753, comprising the following modules:**

**Communication modules**

750-303/.....	Fieldbus Coupler for PROFIBUS DP / FMS 12 MBd (digital and analog signal)
750-306/.....	DeviceNet fieldbus coupler 125-500 Kbaud B
750-312/.....	Fieldbus Coupler for MODBUS / RS485 / 150-19200 Bd
750-314/.....	Fieldbus Coupler for MODBUS / RS232 / 150-19200 Bd
750-315/.....	Fieldbus Coupler for MODBUS / RS485 / 1.2-115.2 KBd
750-316/.....	Fieldbus Coupler for MODBUS / RS232 / 1.2-115.2 KBd
750-323/.....	Fieldbus Coupler for PROFIBUS DP/ 12 MBd (digital signal)
750-327/.....	Fieldbus Coupler for CANopen 10 KBd - 1 Mbd (digital signal)
750-333/.....	Fieldbus Coupler for PROFIBUS DP/ 12 MBd /V1
750-337/.....	Fieldbus Coupler for CANopen 10 KBd - 1 Mbd (digital and analog signal)
750-338	CANopen D-sub
750-341/.....	Ethernet, 100 Mbit/s
750-342/.....	Fieldbus Coupler for ETHERNET TCP / IP 10 Mbits/s
750-343	Profibus DP ECO 12MBaud [passed only EMC2]
750-347	CanOpen ECO MSS [passed only EMC2]
750-348	CanOpen ECO D-Sub [passed only EMC2]
750-351	SERCOS III Coupler
750-352	Ethernet-Coupler
750-806/.....	Device Net Programmable Fieldbus Controller
750-812/.....	Programmable fieldbus controller for MODBUS / RS485 / 150-19200 Bd
750-814/.....	Programmable fieldbus controller for MODBUS / RS232 / 150-19200 Bd
750-815/.....	Programmable fieldbus controller for MODBUS / RS485 / 1.2-115.2 KBd
750-816/.....	Programmable fieldbus controller for MODBUS / RS232 / 1.2-115.2 KBd



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### Communication modules

750-830	BACNet/ IP-Controller
750-833/.....-.....	Programmable fieldbus controller for PROFIBUS DP/12 MBd / V1
750-837/.....-.....	Programmable fieldbus controller for CANopen 10 KBd - 1 MBd
750-838/.....-.....	CANopen Fieldbus Controller D-Sub
750-841/.....-.....	Ethernet, 100 Mbit/s TCP/ IP Programmable Fieldbus Controller
750-842/.....-.....	Programmable fieldbus controller Ethernet TCP/ IP/ 10 MBit/s
750-843	ETHERNET Controller 10 MBit
750-849	KNX/IP-Controller
750-871	Ethernet TCP/IP-Controller 2 Port
750-873	Ethernet TCP/IP RS232 Controller
750-880	ETHERNET Controller
750-880/025-000	ETHERNET Controller/T
750-881	Ethernet-Controller
750-882	Ethernet-MR-Controller

### Digital Input modules

750-400	2DI, 24 VDC , 3,0 ms
750-401	2DI, 24 VDC, 0,2 ms
750-402	4DI, 24 VDC , 3,0 ms
750-403	4DI, 24 VDC, 0,2 ms
750-405	2DI, 230 VAC, 10 ms
750-406	2DI, 120 VAC, 10 ms
750-408	4DI, 24V DC 3,0ms
750-410	2DI, 24 VDC, 3,0 ms , prox. switch
750-411	2DI, 24 VDC, 0,2 ms , prox. switch
750-415	4DI, 24 VAC / dc, 20 ms
750-418	2DI, 24 VDC, 3,0 ms, diagnostics
750-419	2DI, 24V DC 3,0ms/Diagn.
750-421	2DI, 24 VDC, 0,2 ms, diagnostics
750-423	4DI, 24 VAC/DC, 50 ms power contact
750-424	2DI, 24 VDC with wirebreak detection
750-425	2DI, Namur
750-430	8DI, 24 VDC, 3,0 ms
750-431	8DI, 24 VDC, 0,2 ms
750-432	4DI, 24 VDC, 3,0 ms
750-433	4DI, 24 VDC, 0,2 ms
750-435	1DI, Namur EEx i
750-436	8DI, 24 VDC, 3,0 ms
750-437	8DI, 24 VDC, 0,2 ms
750-438	2DI, Namur Ex i
750-1400	16DI, 24V DC 3,0ms, ribbon cable
750-1402	16DI, 24V DC 3,0ms, ribbon cable, neg. switching
750-1405	16DI, 24V DC 3,0ms CCS
750-1406	16DI, 24V DC 0,2ms CCS, pos switching
750-1407	16DI, 24V DC 3,0ms CCS, neg. switching
750-1415	8DI, 24V DC 3,0ms, CCS, 2wire
750-1416	8DI, 24V DC 0,2ms, CCS, 2wire
750-1417	8DI, 24V DC 3,0ms, CCS, neg. switching, 2wire
750-1418	8DI, 24V DC 0,2ms, CCS, neg. switching, 2wire
750-1420	4DI, 24V DC 3,0ms, CCS, 3wire
750-1421	4DI, 24V DC 0,2ms, CCS, 3wire
750-1422	4DI, 24V DC 3,0ms, CCS, neg. switching, 3wire
750-1423	4DI, 24V DC 0,2ms, CCS, neg. switching, 3wire



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### Analog Input modules

750-452/.....	2AI, differential., 0 - 20 mA
750-453/.....	4AI, single ended. , 0 -20 mA
750-454/.....	2AI, differential., 4 - 20 mA
750-455/.....	4AI, single ended. , 4 -20 mA
750-456/.....	2AI, differential. , +/- 10V
750-457/.....	4AI, single ended., +/- 10V
750-459/.....	4AI, single ended., 0-10V
750-461/.....	2AI, resistance input - PT , NI., 2/3 wire connection
750-462/.....	2AI, thermocouple input ( J, L, B, E, N, R, S,T,U,L).
750-464	2/4AI, RTD free configurable
750-464/020-000	4AI, NTC free configurable
750-468/.....	4AI, single ended. 0-10 VDC.
750-469/.....	2AI, thermocouple Input, with open circuit monitoring , ( J, K, B, E, N, R, S, T, U, L)
750-470/.....	2AI, single ended., 0-20mA, short circuit protected
750-470/005-000	2AI, single ended., short circuit protected, 60 Hz
750-472/.....	2AI, single ended., 0 - 20mA, (res. 16 bits)
750-473/.....	2AI, single ended., short-circuit protected
750-473/005-000	2AI, single ended. 4-20mA, short circuit protection, 60 Hz
750-474/.....	2AI, single ended. 4 - 20mA, (res. 16 bits)
750-475	2AI, 0-1A AC/DC Differential Input
750-475/020-000	2AI, 0-5A AC/DC Differential Input
750-476/.....	2AI, single ended., +/- 10 VDC, (res. 16 bits)
750-478/.....	2AI, single ended , 0 - 10 VDC, (res. 16 bits)
750-479/.....	2AI, +/- 10V
750-481/003-000	2AI, RTD Ex i
750-483/.....	2AI, differential. 0-30V
750-484	2AI, 4-20 mA S.E. HART Ex i
750-485/.....	1AI, 4-20mA, EEx i
750-487/003-000	2AI, TC Ex i

### Digital Output modules

750-501	2DO, 24 VDC, 0.5 A short circuit protected
750-501/000-800	2DO, 24V DC, 0,5A, s.c.p.
750-502	2 DO, 24 VDC, 2 A short circuit protected
750-502/000-800	2DO, 24V DC, 2A, s.c.p.
750-504	4DO, 24 VDC, 0,5 A short circuit protected
750-504/000-800	4DO, 24V DC, 0,5A, s.c.p.
750-507	2DO, 24 VDC 2,0 A , diagnostics
750-508	2DO, 24 VDC 2A
750-508/000-800	2DO, 24V DC, 2A
750-509	2DO, 230 VAC / DC, 0,3 A - solid state relay
750-512	2DO, relay output, 230 VAC, 30 VDC, ( 2A AC/DC)
750-513	2DO, relay output, 230 VAC, 30 VDC, ( 2A AC/DC), isolated output
750-513/000-001	2DO, 230V AC 2.0A
750-514	2DO, relay output, 125 VAC, 30 VDC (0,5 A), isolated output
750-516	4DO, 24 VDC
750-517	2DO, 230 VAC, ( 1A AC, 1A DC at 40 VDC), isolated output



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### Digital Output modules

750-523	1DO, 230 VAC, 16A relay, isolated output
750-530	8DO, 24 VDC, 0,5 A
750-531	4DO, 24 VDC, 0,5 A, 2 wire
750-531/000-800	4DO, 24V DC, 0,5A, 2-wire
750-532	4DO, 24V DC, 0,5A, diagnostics
750-535	2DO, 24 VDC , EEx i
750-536	8DO, 24 VDC, 0,5 A
750-537	8DO, 24 VDC, 0,5 A , short circuit protected, diagnostic
750-1500	16DO, 24V DC 0,5A, ribbon cable
750-1501	16DO, 24V DC 0,5A, ribbon cable, neg. switching
750-1504	16DO, 24V DC 0,5A CCS
750-1505	16DO, 24V DC 0,5A CCS, neg. switching
750-1515	8DO, 24V DC 0,5A, CCS, 2wire
750-1516	8DO, 24V DC 0,5A, CCS, neg. switching, 2wire

### Analog Output modules

750-550/.....-.....	2AO, 0-10 VDC, (res. 12 Bit)
750-552/.....-.....	2AO, 0-20 mA, (res. 12 Bit)
750-553/.....-.....	4AO, 0-20 mA, (res. 12 Bit)
750-554/.....-.....	2AO, 4-20 mA, (res. 12 Bit)
750-555/.....-.....	4AO, 4-20 mA, (res. 12 Bit)
750-556/.....-.....	2AO, +/-10 VDC, (res. 12 Bit)
750-557/.....-.....	4AO, +/-10 VDC (res. 12 Bit)
750-559/.....-.....	4AO, 0-10 VDC (res. 12 Bit)
750-585/.....-.....	2AO, 0-20 mA EEx i

### Digital Input/ Output Module

750-1502	8DI/8DO 24V DC 0,5A, ribbon cable
750-1506	8DI/8DO 24V DC 0,5A, CCS

### Power supply modules

750-601	24 VDC, with fuse, 6.3 A
750-602	24 VDC, 10 A
750-606	24V DC 1.0A power supply Ex i
750-609	230 VDC, with fuse, 6.3 A
750-610	24 VDC, with fuse, (diagnostic), 6.3 A
750-611	230 VAC, with fuse, (diagnostic), 6.3 A
750-612	0 - 230 V AC / DC, passive
750-613	24 VDC, Bus, 2 A
750-625	24 VDC EEx i
750-625/000-001	24V DC 1.0A power supply Ex i (without diagnostics)
787-913	230 VAC / 24 VDC

### Special modules

750-404/.....-.....	Up/down Counter 24 VDC 100kHz
750-600	End module
750-603	Field Side Connection DC 24V
750-604	Field Side Connection DC 0V
750-608	Trimming Module/1k/±12V DC
750-614	Potential multiplication
750-616	Separation module
750-623	Supply Module DC 24V / 5-15V
750-624	Field Supply Filter, 24 VDC



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### Special modules

750-624/020-000	Field Supply Filter, 24V DC, high isolation
750-626	Power Supply Filter, 24 VDC
750-626/020-000	Power Supply Filter, 24V DC, high isolation
750-634	Inkremental Encoder Interface, 16 Bit
750-637/....-.....	Inkremental Encoder Interface, 32 Bit
750-654/....-.....	Data exchange module
750-1605	Potential Multiplication 16+
750-1606	Potential Multiplication 16-
750-1607	Potential Multiplication 8+/8-

### Interface modules

750-641	DALI/ DSI-Masterclamp
753-646	KNX/TP1 Interface
750-650/....-.....	Serial interface RS 232C, 300 - 19200 Bd
750-651/....-.....	TTY interface 20 mA current loop 1200 - 19200 Bd
750-652	RS-232 / RS-485 configurable
750-652/025-000	RS-232 / RS-485 configurable/ T
750-653/....-.....	Serial interface RS 485, 1200 - 19200 Bd
750-655	AS-Interface Master

### Accessories

750-960	Profibus connector, D-Sub male
750-963	CanOpen connector
750-970	Profibus connector, D-Sub male & female
750-975	Ethernet connector
758-879/000-001	SD-Card
758-302	PCI PROFIBUS DP/ FMS Master - Fieldbus PC card
758-332	PCI CANopen Master - Fieldbus PC card
753-110	Connector

### Programming Software

759-302	WAGO I/O Check
759-332/000-002	WAGO-I/O- PRO 32 English
759-332/000-001	WAGO-I/O- PRO 32 German
759-333	WAGO-I/O- PRO CAA
759-908	WAGO NET CON

### Specifications

General Catalogue - Volume 3 , 3ed. (30/03/2001) and modules data sheets.  
Manual WAGO - I/O -IPC 758-870

....-.... = may be any digit  
s.e. = single-ended  
s.c.p. = short-circuit-protected  
diag. = diagnosis

I/O modules of Series 750 represents also Series 753.  
Series 753 modules include connector 753-110.



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**Safety Characteristics**

<b>Certification body</b>	TUV Nord GmbH
<b>Marking</b>	II 3 (2) G Ex nA [ib] IIC T4 II 3 (2) D Ex tD [ibD] A22 IP6X T135°C II 3 (1) G Ex nA [ia] IIC T4 II 3 (1) D Ex tD [iaD] A22 IP6X T135°C I (M2) Ex [ia/ib] I II 3 G Ex nA IIC T4 II 3 G Ex nAnL IIC T4 II 3 G Ex nAnC IIC T4 II 3 D Ex tD A22 IP6X T135°C I M2 Ex d I
<b>Certificate</b>	TUV 07 ATEX 554086 X + supplement 1, 2, 3, 4 and 5
<b>Safety Standard</b>	EN 60079-0 2006, EN 60079-11 2007, EN 60079-15 2005 EN 61241-0 2006, EN 60241-1 2004, EN 61241-11 2006

<b>Certification body</b>	UL International Demko A/S (DK)
<b>Marking</b>	I M2 / II 3 GD Ex nA IIC T4 I M2 / II 3 GD Ex nAnL IIC T4 I M2 / II 3 GD Ex nC IIC T4 I M2 / II 3 GD Ex nL IIC T4
<b>Certificate</b>	Demko 08 ATEX 142851 X
<b>Safety Standard</b>	EN 60079-0 2006, EN 60079-15 2005, EN 61241-0 2006, EN 61241-1 2004

<b>Certification body</b>	DEKRA Certification B.V. (NL)
<b>Marking</b>	II 3 G Ex nA II T4
<b>Certificate</b>	DEKRA 11 ATEX 0203 X
<b>Safety Standard</b>	EN 60079-0 2006, EN 60079-15 2005

**WAGO Test Reports**

EK 0016-1/00, -2/00, -3/00, -4/00, -5/00; DAR-EMV Services 00/0206-1-2-3-4-5  
 EK 0021\_04, EK 0054\_03, EK 0007\_2\_05, EK 0005\_05,  
 EK 0027\_1\_05 / 2\_05 / 3\_05 / 04\_05 / 05\_05  
 EK0016\_05, EK0005\_05, EK0027\_5\_05, EK0007\_2\_05, EK0027\_1\_05,  
 EK0027\_4\_05, EK0027\_2\_05, EK0027\_3\_05, EK0021\_04, EK 0054\_03,  
 EMVP09\_0280\_0280, EMVP10\_0061\_V1, EMVP11\_0170\_GL\_v1,  
 EMVP08\_0139\_GL, EMVP09\_0280\_GL\_V1, EMVP07\_0387, Lab.-Report 17219,  
 EMVP10\_0061\_GL\_v1, EMVP07\_0198, EMVP10\_0366\_GL\_v3, EMVP07\_0164,  
 EMVP07\_0226, EMVP07\_0199, EK0054\_1\_03, TR00 0206-2,  
 EMVP10\_0131, EMVP09\_640, EMVP08\_0385, EMVP10\_0366\_V3,  
 EMVP08\_0479\_GL, EMVP09\_0640, EK0051\_03\_02, Lab.-Report 13243 + 12742,  
 Lab.-Report E21335, EK0025\_05, LB\_15468 + LB\_15469 + LB\_15470,  
 GL\_confirmation\_750-xxx\_000-800, EMVP11\_0487\_V1, EMVP08\_0417\_GL,  
 Nachmessung-750-880\_vs\_750-880\_025-000 + Lab.-Report E21336,  
 EMVP10\_0416 + LB 21023, EMVP09\_280\_GL\_V1.

**HAMBURG November 27, 2012**

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