

DECLARATION OF CONFORMITY

Manufacturer Name & Address:

Hitachi Industrial Equipment Systems Co., Ltd.
46-1 Tomioka
Tainai-shi Niigata-ken
959-2688 JAPAN

We declare, under our sole responsibility, that the following products identified with the CE marking:

Hitachi EH-150 series

(Please refer to the attached list of the approved modules, LIST_EH150_REV15.XLS.)

to which this declaration relates, are in conformity with the protection requirements of the following Council Directives:

EMC DIRECTIVE:

2014/30/EU (EMC) on the approximation of the laws of the Member States relating to Electromagnetic Compatibility. Attestation is provided to this Directive based on the requirements of IEC/EN61131-2: 2007 as follows.

Emission: IEC61131-2 (2017)
EN 61000-6-4

Immunity: IEC/EN 61131-2 (2017)
IEC/EN 61000-4-2 (ESD)
IEC/EN 61000-4-3 (Radiation)
IEC/EN 61000-4-4 (Burst)
IEC/EN 61000-4-5 (Surge)
IEC/EN 61000-4-6 (Conducted RF)
IEC/EN 61000-4-8 (Magnetic field)
IEC/EN 61000-4-11 (Dip)
IEC/EN 61000-4-29 (Dip)

LOW VOLTAGE DIRECTIVE:

2014/35/EU (LVD) attestation is provided to this Directive based on the safety requirements of IEC/EN61131-2: 2007 which is harmonized to the Low Voltage.

RoHS DIRECTIVE:

DIRECTIVE 2011/65/EU(RoHS) is the restriction of the use of certain hazardous substances in electrical and electronic equipment. It based on harmonized standards EN 50581.

We, the manufacturer, hereby declare that the products specified in attached list of enclosure 1 conform to the listed directives.

Signature:



Name: N. Aita
Senior Engineer
Title: Quality Assurance Section.
Date: 31 Oct. 2018

C. Kojima
Senior Engineer
Industrial Control System Design Dept.
31 Oct. 2018

Manufacturer: **Hitachi Industrial Equipment Systems Co., Ltd.**
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The Authorized Representative, based within the EC, is identified below:

Name: Hitachi Europe GmbH
Address: Niederkasseler Lohweg 191, 40547 Düsseldorf, Germany

ISSUED DATE	SHEET	DRAWING NO.	REVISION
31 Oct 2017	1 OF 1	0000	17

No.	Item	Type	Spec.	Remarks
1	CPU	EH-CPU104A	128 pt, 4 kstep, 2 ports	
2		EH-CPU208A	256 pt, 8 kstep, 2 ports, Calendar function, Modem I/F function	
3		EH-CPU316A	256 pt, 16 kstep, 2 ports, Calendar function, Modem I/F function	
4		EH-CPU516	528 pt, 16 kstep, 2 ports, Calendar function Modem control function, RS-422/485 communication support, PID command, Floating point operation supports, 2 expansion bases	
5		EH-CPU548	880 pt, 48 kstep, 2 ports, Calendar function Modem control function, RS-422/485 communication support, PID command, Floating point operation supports, 4 expansion bases	
6		EHV-CPU16	2,112 pt with 64 points I/O modules, 16ksteps 3 ports, Calendar function Ethernet port, USB ports, RS-232C/422/485 ports, Processing speed is 20ns/basic command, 2 expansion bases	
7		EHV-CPU32	2,112 pt with 64 points I/O modules, 32ksteps 3 ports, Calendar function Ethernet port, USB ports, RS-232C/422/485 ports, Processing speed is 20ns/basic command, 2 expansion bases	
8		EHV-CPU64	3,520 pt with 64 points I/O modules, 64ksteps 3 ports, Calendar function Ethernet port, USB ports, RS-232C/422/485 ports, Processing speed is 20ns/basic command, 4 expansion bases	
9		EHV-CPU128	4,224 pt with 64 points I/O modules, 64ksteps 3 ports, Calendar function Ethernet port, USB ports, RS-232C/422/485 ports, Processing speed is 20ns/basic command, 5 expansion bases	
10		EHV-CPU1025	EHV+ series CPU module, IEC61131-3 compliant PLC 256KB programming with EHV-CoDeSys	
11		EHV-CPU1102	EHV+ series CPU module, IEC61131-3 compliant PLC 1,024KB programming with EHV-CoDeSys	
12		EHV-CPR128	4,224 pt with 64 points I/O modules, 64ksteps 3 ports, Calendar function Ethernet port, USB ports, RS-232C/422/485 ports, Processing speed is 20ns/basic command, 5 expansion bases For redundancy	
13		HX-CP1S08	HX series CPU module, IEC61131-3 compliant PLC, Standard model, 8MB programming with HX-CODESYS	
14		HX-CP1H16	HX series CPU module, IEC61131-3 compliant PLC, Full spec model, 16MB programming with HX-CODESYS	
15		HX-CP1S08M	HX series CPU module, IEC61131-3 compliant PLC, Motion model, 8MB programming with HX-CODESYS	
16		HX-CP1H16M	HX series CPU module, IEC61131-3 compliant PLC, CNC Motion model, 16MB programming with HX-CODESYS	
17		HXC-CP1H16	HX series CPU module, IEC61131-3 compliant PLC, Hybrid model, 16MB programming with HX-CODESYS	
18	Memory pack	EH-MEMP	Program capacity 16kstep	
19		EH-MEMD	Program capacity 16kstep, data capacity 384kword	
20	Base	EH-BS3A	3 slots (slots for 3 communication modules: 0-2)	
21		EH-BS5A	5 slots (slots for 5 communication modules: 0-4)	
22		EH-BS6A	6 slots (slots for 6 communication modules: 0-5)	
23		EH-BS8A	8 slots (slots for 8 communication modules: 0-7,)	
24		EH-BS11A	11 slots (slots for 8 communication modules: 0-7)	
25	I/O controller	EH-IOCH2	Input/Output control module with unit number switch, 5 expansion bases	
26		EH-IOCR2	Input/Output control module for redundancy	
27	Power Supply	EH-PSA	Input: 100-240 VAC	
28		EH-PSD	Input: 24 VDC	
29		HX-PSA	Input: 100-240 VAC	
30		HX-PSD	Input: 24 VDC	
31	Cable	EH-CB05A	0.5m (between base and I/O controller) cable, for 2 to 5 expansion bases	
32		EH-CB10A	1.0m (between base and I/O controller) cable, for 2 to 5 expansion bases	
33		EH-CB20A	2.0m (between base and I/O controller) cable, for 2 to 5 expansion bases	
34	DC input	EH-XD8	8pt of 12/24 VDC	
35		EH-XD16	16pt of 12/24 VDC	
36		EH-XDL16	16pt of 12/24 VDC	
37		EH-XD32	32pt of 12/24 VDC	
38		EH-XDL32	32pt of 12/24 VDC	
39		EH-XD64	64pt of 12/24 VDC	
40		EH-XD32E	32pt of 12/24 VDC (Euro-terminal input module)	
41		EH-XDL32E	32pt of 12/24 VDC (Euro-terminal input module)	
42		EH-XD32H	32pt of 24V DC (EM/H-200 series compatible 32-point input module)	
43		EH-XDS16	16pt of 24V DC (High-speed DC Input module)	
44		EH-XDS32	32pt of 24V DC connector (High-speed DC Input module)	
45	AC input	EH-XA16	16pt of 100-120 VAC	
46		EH-XAH16	16pt of 200-240 VAC	
47	Contact output	EH-YR12	12pt of 100-240 VAC, 24 VDC	
48		EH-YR16	16pt of 100-240 VAC, 24 VDC	
49		EH-YR16D	16pt of 100-240 VAC, 24 VDC, Separated common	
50		EH-YR8B	8pt of 100-240 VAC, 24 VDC	

No.	Item	Type	Spec.	Remarks
51	Transistor output	EH-YT8	8pt of 12/24 VDC, Sink type	
52		EH-YT16	16pt of 12/24 VDC, Sink type	
53		EH-YT32	32pt of 12/24 VDC, Sink type	
54		EH-YT64	64pt of 12/24 VDC, Sink type	
55		EH-YTP8	8pt of 12/24 VDC, Source type	
56		EH-YTP16	16pt of 12/24 VDC, Source type	
57		EH-YTP32	32pt of 12/24 VDC, Source type	
58		EH-YTP64	64pt of 12/24 VDC, Source type	
59		EH-YT32E	32pt of 12/24 VDC (Euro-terminal output module sink type)	
60		EH-YTP32E	32pt of 12/24 VDC (Euro-terminal output module source type)	
61		EH-YTP16S	32pt of 12/24 VDC, Source type, Short circuit protection	
62		EH-YT32H	32pt of 24 VDC, Sink type (EM/H-200 series compatible 32-point Output module)	
63	Triac output	EH-YS16	16 pt of 100-240 VAC	
64	Cover	EH-DUM	Cover	
65	Analog input	EH-AX44	4 to 20 mA: 4 ch, 0 to 10 VDC: 4ch, 12 bits	
66		EH-AX8V	0 to 10 VDC: 8ch, 12 bits	
67		EH-AX8H	-10 to 10 VDC: 8ch, 12 bits	
68		EH-AX8I	4 to 20 mA: 8ch, 12 bits	
69		EH-AX8IO	0 to 22 mA: 8ch, 12 bits	
70		EH-AXH8M	14-bits analog input, Current 0-22mA/4-22mA, Voltage -10 to 10V/0-10V, 8ch	
71		EH-PT4	Resistance temperature detective input module, 4ch, signed 15-bit	
72		EH-TC8	Thermo-couple(K, E, J, T, B, R, S, N), 8ch, signed 15-bit	
73		EH-AXG5M	Insulated analog input module (5ch)	
74		EH-RTD8	Resistance temperature detective input module, 6ch/8ch	
75	Analog output	EH-AY22	4 to 20 mA: 2 ch, 0 to 10 VDC: 2 ch, 12 bits	
76		EH-AY2H	-10 to 10 VDC: 2 ch, 12 bits	
77		EH-AY4V	0 to 10 VDC: 4 ch, 12 bits	
78		EH-AY4H	-10 to 10 VDC: 4 ch, 12 bits	
79		EH-AY4I	4 to 20 mA: 4 ch	
80		EH-AYH8M	14-bits analog output, Current 0-22mA/4-22mA, Voltage 0-10V, 8ch	
81		EH-AYG4M	Insulated analog output module (4ch)	
82	Counter	EH-CU	Counter module, 100 kHz, 32-bit, 2ch	
83		EH-CUE	Counter module, 100 kHz, 32-bit, 1ch	
84	Communication function	EH-RMP2	Profibus master module, Up to 124 slaves, 256 words	
85		EH-IOCP2	Profibus slave module, DPV0	
86		EH-RMD2	DeviceNet Master module, release 2.0	
87		EH-IOCD2	DeviceNet slave controller, release 2.0	
88		EH-SIO	Serial communication module with RS-232C, RS-422/485	
89		EH-ETH2	Ethernet module 10BASE-T 100BASE-T	
90		EH-IOCA	EtherCAT® slave controller, 100Mbps, Free Run mode PDO size = 352 byte	
91		EH-TRMME	Compact remote master module, Twisted pair cable (256 points)	
92		EH-TRME2	Compact remote master module, Twisted pair cable (2048 points)	
93		EH-TRMLE	Compact remote slave module, Twisted pair cable	
94		EH-TRLE2	Compact remote slave module, Twisted pair cable (2048 points)	
95		EH-TLNKE	Compact link module, Twisted pair cable, CPU link	
96		EH-TRLLE	Compact link module, Twisted pair cable, I/O link	
97		EH-RIOTL	RIOH-TL compatible, Remote local module, Twisted pair cable	
98		EH-FLN3	FL-net Interface Module, 10BASE-T 100BASE-T	
99		EH-PCS	Serial communication module	
100	Mixed I/O Module	EH-MTT32	TTL I/O Module, TTL input 16 points, TTL output 16 points	