

Harmonic Drive SE

编号 No.: 2024-J-421700C561-00

**CCC 目录外调查函**  
**Non-CCC Investigation Letter**

中国 CCC 认证技术评审中心

China Compulsory Product CCC Certificate Online Technology Examination Center:

**申请企业 Applicant Company:**  
Harmonic Drive SE

**申请企业地址 Address:**  
Hoenbergstr. 14  
65555 Limburg  
Germany

**申请企业国家 Country:**  
Germany

**申请企业联系号码及传真 Contact Number/Fax:**  
电话: +49 6431 5008 301  
传真: +49 6431 5008 309

**产品名称&型号 Product Name& Model:**  
IHD – Actuator with integrated controller (Model: IHD-17A/20A/25A)  
BHA – Servo Actuator (Model: BHA-17A/20A/25A)  
Canis Drive – Servo Actuator (Model: CanisDrive-14A/17A/20A/25/32/40A/50A/58A)  
FHA-C Mini – Servo Actuator (Model: FHA-8C/11C/14C)  
FLA – Servo Actuator (Model: FLA-11/14/17/20)  
LynxDrive – Servo Actuator (Model: LynxDrive-14C/17C/20C/25C/32C/40C/50C)

**产品海关 HS 编码 Product HS Code:**  
8501.5100  
8501.5220

**简短产品说明 Brief Product Description:**

a. **工作原理/Working principle:**




All listed products operate according to the same principle:

- AC-servo motor with different encoder types
- Combined with a Harmonic Drive gearbox or planetary gearbox




b. **产品主要参数 Product Major Specification:**

Please refer to: [Harmonic Drive® Mechatronics](#)

All listed products are described in this Catalogue

SERVO ACTUATORS WITH HOLLOW SHAFT			
Series	IHD (Actuator with integrated controller)	BHA	CanisDrive®
			
Product focus	High standardisation Function adaptation via software	High standardisation Cost-optimised Reduced variance	Extensive combination possibilities and customised adaptations for industrial applications
Design	short / compact	short / compact	short / compact
Torque capacity and lifetime	●●●	●●●	●●●
Small outer diameter	●●	●●	●
Short design	●●	●●	●●●
Tilting moment output bearing	●●●	●●●	●●●
Low weight	●●	●●	●●
Chapter / Page	1.1 / 26	1.2 / 44	1.3 / 66
Key data			
Hollow shaft diameter [mm]	18 ... 25	18 ... 25	12 ... 65
Maximum torque [Nm]	44 ... 229	44 ... 229	23 ... 1840
Maximum speed [min <sup>-1</sup> ]	35 ... 120	35 ... 120	19 ... 170
Outer diameter [mm]	88 ... 116	88 ... 116	78 ... 255
Length [mm]	141 ... 200	110 ... 173	97 ... 235
Configurations			
Sizes	17 20 25	17 20 25	14 17 20 25 32 40 50 58
Ratio (Preference types)	30 <b>50</b> 80 <b>100</b> 120 <b>160</b>	30 <b>50</b> 80 <b>100</b> 120 <b>160</b>	<b>50</b> 80 <b>100</b> 120 <b>160</b>
Winding	24/48 VDC	24/48 VDC 560 VDC	Size 14: 48V, 560 VDC Size 17: 48V, 560 VDC Size 20-58: 560 VDC
Encoder	Dual FlexFeedback	BiSS-C EnDat 2.2 Hiperface® SSI + Sin Cos	Size 14-20: SSI + Sin Cos Size 25-32: FFB SSI + Sin Cos Size 20-58: EnDat 2.1/2.2 Size 17-40: Hiperface® Size 14-17: TTL encoder
Connections	Sub-D connector Variable connector	Connector M23 90° angled rotatable	Connector M23 (M17) 90° angled rotatable Radial cable outlet possible Customised pinout possible

SERVO ACTUATORS WITH SOLID SHAFT

Series	FHA-C Mini	LynxDrive	FLA
			
Product focus	High standardisation Reduced variance	Extensive combination options and customer specific specific adaptations for industrial applications	High standardisation Reduced variance
Design	short / compact	slim design	very short / compact
Torque capacity and lifetime	●●	●●	●
Small outer diameter	●●	●●●	●
Short design	●●●	●	●●●
Tilting moment output bearing	●●	●●	●
Low weight	●●	●●	●●●
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<b>Key data</b>			
Hollow shaft diameter [mm]	6,2 ... 13,5 (only with TTL encoder)	-	-
Maximum torque [Nm]	1,8 ... 28	9 ... 1180	1,8 ... 33
Maximum speed [min <sup>-1</sup> ]	60 ... 200	22 ... 283	80 ... 500
Outer diameter [mm]	50 ... 75	73 ... 190	71 ... 100
Length [mm]	48 ... 78	126 ... 288	40 ... 52
<b>Configurations</b>			
Sizes	8 11 14	14 17 20 25 32 40 50	11 14 17 20
Ratio (Preference types)	30 <b>50</b> 80 <b>100</b> 120 <b>160</b>	Size 14-32: 30 <b>50</b> 80 <b>100</b> 120 <b>160</b>	<b>50</b> 8 9
Winding	320 VDC 24 VDC	560 VDC	24/48 VDC
Encoder	TTL encoder Endat 2.2	Hiperface® EnDat 2.1/2.2 SinCos Resolver DRIVE-CLiQ	Hall sensors
Connections	TTL encoder: Cable outlet sideways TTL encoder: Cable outlet sideways with connector Endat 2.2 Connector Y-Tec Endat 2.2 Cable outlet with connector Customised pinout possible	Connector M23 90° angled rotatable Radial cable outlet possible Customised pinout possible	Cable outlet Cable outlet with connector possible
Controller integrated	-	-	-
Brake	-	Permanent magnet	-
Lubricant	SK-2	Flexolub®-A1	4BNo.2
Temperature range	0 ... +40 °C	0 ... +40 °C	0 ... +40 °C
Protection class	IP44	IP65	IP40
Surface finish	-	Corrosion protection	-

**c. 应用场所/Site of use, function description :**

The actuators are mainly used as high precision positioning actuators for applications in machine tools, semiconductor production, wood working machines, handling devices and medical equipment like X-ray or CTs.

**产品标准 Production Standard:**

1. IEC 60034-1:2010
2. IEC 60034-5:2010
3. IEC 60068-1:2007, Part 2-6
4. IEC 60068-1:2007, Part 2-27

**制造商名称 Manufacturer Name:**

Harmonic Drive Systems Inc.  
(only for FHA-Cmini and FLA)

**制造商地址 Address:**

Believe Omori Building  
6-25-3, Minami Ohi, Shinagawa-Ku  
Tokyo 140-0013  
Japan

**制造商所在国家 Manufacturer Country:**

Japan

中国强制产品CCC认证在线<http://www.ccc-cn.org>

## 商调结果

# Investigation Result

Harmonic Drive SE:

你公司报请商调的产品:

The product requesting investigation by your company:

IHD – Actuator with integrated controller (Model: IHD-17A/20A/25A)

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LynxDrive – Servo Actuator (Model: LynxDrive-14C/17C/20C/25C/32C/40C/50C):

经专家团评审结果评定为该产品现不在强制认证目录内。

This product is currently not in the China Compulsory Certificate Product Catalogue after examination by expert team.

其他认证, 如 CEL、NAL、SRRC、CCC-Ex 等, 不属于此 CCC 目录外调查函的调查范围。  
Other certifications such as CEL, NAL, SRRC, CCC-Ex etc. are not part of the investigation.

**有效期: 6 个月。(2024-11-01 至 2025-04-30)**

Period of Validity: 6 months. (from Nov. 01, 2024 to Apr. 30, 2025)

特此通知。

Now we advise you this result.

签发 Issued by:

中国强制产品 CCC 认证 3C 在线

China Compulsory Product CCC Certificate-CCC Online

2024 年 10 月 30 日

