

**Information on Hazardous Substances and Marking of the
Environmental Protection Use Period according to**

**"Marking for the Restricted Use of Hazardous Substances
in Electronic and Electrical Products (SJ/T 11364-2014)"**

For Drive Technology

Marking of Hazardous Substances according to SJ/T 11364-2014 ("China-ROHS") for Drive Technology



Servo Drives series:

AX8000 | Multi-axis servo system

AX86xx-xxxx	Power supply modules
AX85xx-xxxx	Combined power supply and axis modules
AX81xx-xxxx	Axis modules, 1-channel
AX82xx-xxxx	Axis modules, 2-channel
AX881x-xxxx	Option modules
AX882x-xxxx	Universal regenerative unit
AX883x-xxxx	Coupling modules

AX5000 | Digital compact servo drives

AX51xx-xxxx	Digital Compact Servo Drives (1-channel)
AX52xx-xxxx	Digital Compact Servo Drives (2-channel)
AX57xx-xxxx	Encoder option cards for AX5000 Servo Drives
AX58xx-xxxx	TwinSAFE drive option cards for AX5000 Servo Drives
AX59xx-xxxx	AX-Bridge quick connection system for AX5000 Servo Drives
AX5021-xxxx	Ballast unit with internal braking resistor for AX5000 Servo Drives

AMP8000 | Distributed servo drive system








AMP86xx-xxxx	Distributed power supply modules
AMP88xx-xxxx	Decentralized distribution modules

Accessories:

ZS4800-xxxx	Plugs for AX8000 Servo Drives
ZS4500-xxxx	Plugs for AX5000 Servo Drives
ZK1090-9191-xxxx	EtherCAT patch cables
AX2090-NFxx-xxxx	Mains filters for AX5000/AX8000 Servo Drives
AX2090-SBxx-xxxx	EMC accessories Shroud for AX5000 (from 60 A)
AX2090-NDxx-xxxx	Mains chokes für AX5000/AX8000 Servo Drives
AX2090-TSxx-xxxx	Transient voltage suppressor for AX5000 Servo Drives
AX2090-TTxx-xxxx	Isolating transformer for AX8000 Servo Drives
AX2090-BWxx-xxxx	External ballast resistors for AX5000/AX8000 Servo Drives
AX2090-MDxx-xxxx	Motor choke for Servo Drives

Marking of Hazardous Substances according to SJ/T 11364-2014 ("China-ROHS") for Drive Technology



 The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked							
Component Name		Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Poly-brominated Biphenyls (PBB)	Poly-brominated Diphenyl Ethers (PBDE)
Mechanical assembly housing (plastic parts)		○	○	○	○	○	○
Mechanical assembly, housing (metal parts)		○	○	○	○	○	○
Assembled printed circuit board (APCB)		×	○	○	○	○	○
Connectors		×	○	○	○	○	○
Cables		○	○	○	○	○	○
Heat sinks		×	○	○	○	○	○
In case of:							
Plug-in cards		×	○	○	○	○	○
Displays		×	○	○	○	○	○
Cooling fans		×	○	○	○	○	○

These tables are prepared in accordance with the provisions of SJ/T 11364.

○: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572.

×: The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572.

Marking of Hazardous Substances according to SJ/T 11364-2014 ("China-ROHS") for Drive Technology

BECKHOFF

Servomotor Series:

Synchronous Servomotors

AM80xx-xxxx-xxxx	Synchronous Servomotors
AM81xx-xxxx-xxxx	Synchronous Servomotors
AM83xx-xxxx-xxxx	Synchronous Servomotors with water cooling
AM85xx-xxxx-xxxx	Servomotors with increased rotor moment of inertia
AM87xx-xxxx-xxxx	Servomotors in with anodized housing in hygienic design
AM88xx-xxxx-xxxx	Stainless steel servomotors in hygienic design

Integrated Servomotors

AMP80xx-xxxx-xxxx	Distributed servo drives
AMP85xx-xxxx-xxxx	Distributed servo drives with high inertia
AMI81xx-xxxx-xxxx	Compact integrated servo drives

Linear Servomotors

AL80xx-xxxx-xxxx	Linear Servomotors
AL81xx-xxxx-xxxx	Linear Servomotors

Translatory Servomotors

AA30xx-xxxx-xxxx	Electric cylinders
AA31xx-xxxx-xxxx	Electric cylinders

Stepper Motors

AS20xx-xxxx	Stepper motors
AS10xx-xxxx	Stepper motors
ASI81xx-xxxx	Compact integrated stepper motor drives

Accessories


ZK4xxx-xxxx-xxxx	Pre-assembled cables
ZS4000-xxxx-xxxx	Plugs for servomotors
AX2090-L8xx	Fan unit for AM8000 servomotors
AG2090-+CJxx	Coupling for AS20xx stepper motors

Accessories for AL8000 and AL8100 Linear Servomotors

AL8200-xxxx-xxxx	MES feedback system for Linear Servomotors
AL85xx-xxxx-xxxx	Magnetic assembly for AL8xxx Linear Servomotors

Marking of Hazardous Substances according to SJ/T 11364-2014 ("China-ROHS") for Drive Technology



		The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked				
Component Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Housing	○	○	○	○	○	○
Rotor	○	○	○	○	○	○
Connector	×	○	○	○	○	○
Cable	○	○	○	○	○	○
Bearing bush	○	○	○	○	○	○
Motor shaft	○	○	○	○	○	○
Encoder	○	○	○	○	○	○
Brake	○	○	○	○	○	○
Shaft seals, gaskets	○	○	○	○	○	○
In case of:						
Housing, stainless steel	○	○	○	○	○	○

These tables are prepared in accordance with the provisions of SJT 11364.


○: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572.

×: The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572.

Planetary Gears AGxxxx

Planetary gear units for servomotors

- AG1000-+* Planetary gear units for AS1000 stepper motors
- AG2210-+* Planetary gear units for synchronous servomotors
- AG2250-+* Planetary gear units for AS2000 stepper motors and AM8100/AM3100 servomotors
- AG2300-+* High-end gear series for AM8000 and AM8500 servomotors
- AG2800-+* Planetary gear units for AM8800 stainless steel servomotors

	The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked					
Component Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Housing	○	○	○	○	○	○
Mechanical assembly (connector)	○	○	○	○	○	○
Bearing bush	○	○	○	○	○	○
shaft	○	○	○	○	○	○
In case of:						
Housing, stainless steel	○	○	○	○	○	○
<p>These tables are prepared in accordance with the provisions of SJT 11364.</p> <p>○: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572.</p> <p>×: The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572.</p>						

*followed by any letter or number

XTS – eXtended transport System

XTS Standard

AT20xx-yyyy	XTS motor module
AT9xxx-yyyy	XTS guide rails
ZXxxxx-yyyy	XTS rollers & accessories

XTS Black Line

AT20xx-yyyy-0002	XTS motor modules
AT9xxx-yyyy-0002	XTS guide rails
ZXxxxx-yyyy-0002	XTS rollers & accessories

XTS Hygienic


ATH20xx-yyyy	XTS motor modules in stainless steel
ATH9xxx-yyyy	XTS guide rails in stainless steel
ZXHxxxx-yyyy	XTS rollers & accessories (not defined yet)

Accessories

ZKxxxx-xxxx-xxxx	Cables and connectors
------------------	-----------------------

Marking of Hazardous Substances according to SJ/T 11364-2014 ("China-ROHS") for Drive Technology



Component Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
 <p>The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked</p>						
Motor modules	×	○	○	○	○	○
Movers	○	○	○	○	○	○
Guide rails	○	○	○	○	○	○
In case of:						
Stainless steel motor modules	×	○	○	○	○	○
Stainless steel movers	○	○	○	○	○	○
Stainless steel guide rails	○	○	○	○	○	○
Cables (without connector)	○	○	○	○	○	○
Connectors	×	○	○	○	○	○
<p>These tables are prepared in accordance with the provisions of SJT 11364.</p> <p>○: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572.</p> <p>×: The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572.</p>						