

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

Servo Drives AXxxx series:








AX8620-xxxx	Power supply modules, 20 A
AX8640-xxxx	Power supply modules, 40 A
AX81xx-xxxx	Axis modules, 1-channel
AX82xx-xxxx	Axis modules, 2-channel
AX881x-xxxx	Option modules
AX51xx-xxxx-xxxx	Digital Compact Servo Drives (1-channel)
AX52xx-xxxx-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
AX5021-0000	Ballast unit with internal braking resistor for AX5000 Servo Drives
AX25xx-xxxx	Digital Compact Servo Drives
AX20xx-xxxx	Digital Compact Servo Drives

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 Servo Drives
AX2090-SBxx-xxxx	EMC accessories Shroud for AX5000 (from 60 A)
AX2090-NDxx-xxxx	Mains chokes für AX5000 Servo Drives
AX2090-TSxx-xxxx	Transient voltage suppressor for AX5000 Servo Drives
AX2090-BWxx-xxxx	External ballast resistors for Servo Drives
AX2090-MDxx-xxxx	Motor choke for Servo Drives
AX2090-L025	Fan unit for AX2500 Servo Drives

**Marking of Hazardous Substances according to
SJT/ 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 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.

Motor Series AMxxxx, ALxxxx, ASxxxx

Synchronous Servomotors

AM80xx-xxxx-xxxx	Synchronous Servomotors
AM81xx-xxxx-xxxx	Synchronous Servomotors
AM85xx-xxxx-xxxx	Servomotors with increased rotor moment of inertia
AM88xx-xxxx-xxxx	Stainless steel servomotors in hygienic design
AM30xx-xxxx-xxxx	Synchronous Servomotors
AM31xx-xxxx-xxxx	Synchronous Servomotors
AM35xx-xxxx-xxxx	Synchronous Servomotors
AM2xxx-xxxx-xxxx	Synchronous Servomotors

Linear Servomotors

AL20xx-xxxx-xxxx	Linear Servomotors
AL24xx-xxxx-xxxx	Linear Servomotors
AL28xx-xxxx-xxxx	Linear Servomotors
AL38xx-xxxx-xxxx	Linear Servomotors

Stepper Motors

AS20xx-xxxx	Stepper motors, 0.83 – 2.30 Nm (standstill torque)
AS10xx-xxxx	Stepper motors

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 AL2000, AL2400, and AL2800 Linear Servomotors

AL2250-000x	Connector box for Linear Servomotors
AL2200-xxxx	MES feedback system for Linear Servomotors
AL21xx-xxxx	Magnetic assembly for AL20xx Linear Servomotors
AL25xx-xxxx	Magnetic assembly for AL24xx Linear Servomotors
AL29xx-xxxx	Magnetic assembly for AL28xx Linear Servomotors
AL39xx-xxxx	Magnetic assembly for AL38xx Linear Servomotors

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Component Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Housing	○	○	○	○	○	○
Rotor	○	○	○	○	○	○
Connector	×	○	○	○	○	○
Cable	○	○	○	○	○	○
Heat sink	×	○	○	○	○	○
Bearing bush	○	○	○	○	○	○
Motor shaft	○	○	○	○	○	○
Encoder	○	○	○	○	○	○
Brake	○	○	○	○	○	○
In case of:						
Housing, stainless steel	○	○	○	○	○	○

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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


*followed by any letter or number

Linear actuator with integrated power electronics

- AA1121-xxxx Linear actuator (lifting height 10 mm, peak force 800 N)

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 <p>The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked</p>						
Housing	○	○	○	○	○	○
Rotor	○	○	○	○	○	○
Mechanical assembly (connector)	×	○	○	○	○	○
Cable	○	○	○	○	○	○
Heat sink	×	○	○	○	○	○
Bearing bush	○	○	○	○	○	○
Motor shaft	○	○	○	○	○	○
Encoder	○	○	○	○	○	○
Brake	○	○	○	○	○	○
In case of:						
Housing, stainless steel	○	○	○	○	○	○
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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
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Component Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Motor modules	×	○	○	○	○	○
Movers	○	○	○	○	○	○
Guide rails	○	○	○	○	○	○
In case of:						
Stainless steel motor modules	×	○	○	○	○	○
Stainless steel movers	○	○	○	○	○	○
Stainless steel guide rails	○	○	○	○	○	○
Cables (without connector)	○	○	○	○	○	○
Connectors	×	○	○	○	○	○
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