SD card

Optionally an SD card can be used to copy drive parameters or perform a firmware update. You are recommended to use the SIEMENS SD card (order number: **6ES7954-8LB01-0AA0**).

You can also select other high quality SD cards with a maximum capacity of 2 GB from manufacturers such as KINGMAX, Kingston or SanDisk.

Replacement fans (for frame sizes B and C only)

Order numbers:

Fan kits for frame size B: 6SL3200-0WF00-0AA0

Fan kits for frame size C: 6SL3200-0WF01-0AA0

2.6 Function list

Function	Description	Control mode
Pulse train input position control (PTI) (Page 133)	Implements accurate positioning through two pulse train input channels: 5 V differential or 24 V single end signal. In addition, it supports S-curve position smoothing function	PTI
Internal position control (IPos) (Page 146)	Implements accurate positioning through internal position commands (up to eight groups) and allows to specify the acceleration/speed for positioning	IPos
Speed control (S) (Page 162)	Flexibly controls motor speed and direction through external analog speed commands (0 - ±10 VDC) or internal speed commands (up to seven groups)	S
Torque control (T) (Page 168)	Flexibly controls motor output torque through external analog torque commands (0 - ±10 VDC) or internal torque commands. In addition, it supports speed limit function to prevent overspeed when a motor has no loads	T
Compound controls (Page 125)	Supports flexible switches among position control mode, speed control mode, and torque control mode	PTI/S, IPos/S, PTI/T, IPos/T, S/T
Absolute position system (Page 172)	Allows to implement motion control tasks immediately after the servo system with an absolute encoder is powered on, needless of carrying out referencing or zero position operation beforehand	PTI
Gain switching (Page 206)	Switches between gains during motor rotation or stop with an external signal or internal parameters to reduce noise and positioning time, or improve the operation stability of a servo system	PTI, IPos, S
PI/P switching (Page 210)	Switches from PI control to P control with an external signal or internal parameters to suppress overshooting during acceleration or deceleration (for speed control mode) or to suppress undershooting during positioning and reduce the settling time (for position control mode)	PTI, IPos, S
Safe Torque Off (STO) (Page 191)	Safely disconnects torque-generating motor power supply to prevent an unintentional motor restart	PTI, IPos, S, T