

Environmental conditions and dimensions

Usage environment	Safety module for installation in SI6 and SC& series drive controllers (ex works).
Ambient conditions	Ambient conditions correspond to those of the base device.
Dimensions	Installation is done inside the device.

Features

Function	Uses functions and resources of the drive controller to motion the motor safely.
Safety figure	PL e (Category 4) according to DIN EN ISO 13849-1 SIL 3 according to DIN EN 61508 and DIN EN 61800-5-2 Successful type testing by TÜV.
Safety functions	STO, SS1, SS2 SOS, SDI, SLS, SSR, SLI, SBC SOS-M, SDI-M, SLS-M, SSR-M, SLI-M
Connections	X2A, X2B: Motor temperature sensor (7, 8) X2A, X2B: Control of one or two brakes (5, 6) (one brake for each connection) X300: 24 V _{DC} Supply of the holding brakes
Power supply	24 V _{DC} (+20%) for brakes
Integrated brake control	X1A, X2B: 2,5 A The brake outputs comply with EN 61800-5-2 SBC
Operating motors	Linear and rotary synchronous servo motors
Encoders	EnDat® 2.1 digital EnDat® 2.2 digital EnDat® 3 SSI HTL, TTL Resolver No special requirements for mounting the encoder on the motor (no FMA attachment necessary).
Status information	Status information is available in the S-parameter group in the control unit and can be read out using the fieldbus, for example.
Reaction time	Detection of limit violations < 10 ms (worst case)
Switch-off time	STO switch-off time of the power unit < 10 ms (worst case)

Commissioning / Service	<p>PSC commissioning tool is integrated into the DS6.</p> <p>Password protection against unauthorized access.</p> <p>Configuration checksum for tracking changes.</p> <p>Exchange of the safety configuration via SD card.</p>
Other	<p>Setting the FSoE address manually using DIP switches on the top of the drive controller.</p> <p>ePLAN macro in preparation.</p>

Gross sales prices

Type designation	ID No.	GSP
SX6A	<p>5050185</p> <p>(only available installed in the drive controller)</p>	429,00 €