

Ambient conditions and dimensions

Usage environment	<ul style="list-style-type: none"> Drive controllers of the SC6/SI6 series with firmware V 6.5-D or later PROFINET networks with secure fieldbus communication via PROFIsafe, typically in combination with SIMATIC controllers from Siemens
Ambient conditions	Ambient conditions match those of the base device
Dimensions	Internal device option

Features

Marketing	Order option ex works
Function	Activation of the STO and SS1-t safety functions using PROFIsafe
PROFIsafe functions	STO: Safe, immediate deactivation of the power output stage SS1-t: Safe, delayed deactivation of the power output stage
PROFIsafe connection	PROFIsafe is connected over the PROFINET interface of the control unit
PROFIsafe telegrams	Standard telegram 30
PROFIsafe addressing	Easy addressing using 8 DIP switches
Safety figures	<ul style="list-style-type: none"> PL e (category 4) in accordance with DIN EN ISO 13849-1 SIL 3 in acc. with DIN EN 61508 and DIN EN 61800-5-2 Type-examination by the Institut für Arbeitsschutz (IFA)
Reaction time	< 40 ms (worst case)
Switch-off time	STO switch-off time of the power unit < 60 ms (worst case)
Operating motors	Independent of motor type (SSM, ASM, LM, etc.)
Availability	<ul style="list-style-type: none"> Starting from DriveControlSuite V 6.5-D (August 2021)
Commissioning	<ul style="list-style-type: none"> Configuration in DriveControlSuite in V 6.5-D or later PROFIsafe address set on the drive controller using 8 DIP switches Input of safe time via the software of the safety controller
Service	<ul style="list-style-type: none"> Easy device exchange with the aid of the optional SD card
Other	<ul style="list-style-type: none"> Replaces the SZ6 standard option module in the drive controller (GSP €12) Product based on the proven FSoE hardware of SY6 Independent conformance tests for PROFINET and PROFIsafe in the course of product development

Target applications

Market	National and international machine and systems engineering, particularly in the area of process technology
Applications	Simple PROFIsafe applications in combination with Siemens SIMATIC controllers of the S7-1200(F) and S7-1500(F) series
Customers	New customers in the system business with focus on electronics
Primary customer benefits	<ul style="list-style-type: none"> Connection of extensive STOBER product range with the standardized PROFIsafe interface of controller Simple project configuration on the controller side

Gross selling price

Type designation	ID No.	GSP
SU6A	56696	€150.00