

## Ambient conditions and dimensions

Usage environment	<ul style="list-style-type: none"> <li>• Drive controllers of the SC6/SI6 series with firmware V 6.5-D or later</li> <li>• PROFINET networks with drive control via PROFIdrive, typically in combination with SIMATIC controllers from Siemens</li> </ul>
Dimensions	None, PROFIdrive is an application

## Features

Marketing	Free expansion of the basic drive controller functions
Function	Manufacturer-independent drive control in accordance with PROFIdrive AC1 & AC3 specification
PROFIdrive functions	AC1: Standard drives, speed control with set speed value AC3: Positioning drives, drive-based positioning
PROFIdrive connection	PROFIdrive is a manufacturer-independent device profile for drives that is transmitted via PROFINET
PROFIdrive telegrams	AC1: Standard telegrams 1, 2, 3 AC3: Siemens telegram 111
Cycle time of the application	All application cycle times supported by SC6/SI6 drive controllers (250 µs – 8 ms) are supported
Availability	Starting from DriveControlSuite V 6.5-D (August 2021)
Commissioning	<ul style="list-style-type: none"> <li>• Configuration in DriveControlSuite in V 6.5-D or later</li> <li>• Project configuration in the automation software of the controller based on GSD file</li> </ul>
Service	<ul style="list-style-type: none"> <li>• Easy device exchange with the aid of the optional SD card</li> </ul>
Other	<ul style="list-style-type: none"> <li>• The market start for PROFIdrive AC4 (motion control, controller-based positioning), based on isochronous PROFINET IRT, is planned for the 1st quarter of 2022</li> </ul>

## Target applications

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

## Gross selling price

Type designation	ID No.	GSP
PROFIdrive application	—	€0