



Benefits from/of the PROFIdrive-Standards

- › PROFIdrive Workshops ☒ Free
- › PROFIdrive Specification ☒ Free for Members
- › PROFIdrive Test Specification ☒ Free for Members
- › PROFIdrive Profile Tester ☒ Free for Members
- › Independent Certification by PI ☒ Certified Product

Support by the Community Project

- › PROFIdrive Profile Device Source Code ☒ Free
- › PROFIdrive Profile Controller Source Code ☒ Free
- › PROFIdrive Implementation Guide ☒ Free



More Information about PROFIdrive:
www.profibus.com/PROFIdriveMarketing

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Drive Technology that boosts your Business!



PROFIdrive
Motion . Drives . Encoder

Benefits from Multiple Profiles



- › Standardized Application Interface for Motion Control and Encoders
- › Device Exchangeability
- › Uniform Diagnostics



- › Safety Integrated for Machines and Systems
- › Reusability of Safety Concepts
- › Interoperable Interface for Drive-Based Safety



- › Control and Measurement of Energy Consumption
- › Coordinated Switch-On and Switch-Off of entire System Parts
- › No external hardwired Systems required

Interoperable, standardized and manufacturer-independent Interface
The PROFIdrive Profile covers all Applications relevant to Industry in the Respective Application Classes (AC):



Pumps, Fans and Conveyors



Positioning and Adjusting Drives



CNC, Robots and Electronic Gears

AC1/AC2

Adjustable-Speed Drives without/with Technology Function

AC3

Drives with Positioning Function

AC4/AC5

Synchronous Servo Applications
and high-performance Motion Control Applications

12 Benefits for PROFIdrive Users

Ideal for flexible Machine Concepts

Quick Implementation of
Customer-specific Requirements

Uniform Diagnostics

Maximum Dynamics and Precision

Interoperability and Exchangeability,
also for Safety

Easy to Expand,
fast Device Replacement

High-Performance
Parameter Channel

Short Cycle Times up to 31.25 μ s

Reusable Program Modules

Flexible RT/IRT Cycle Times
on one Single Bus

Independent Certification by PI

Standardized in IEC 61800-7
and GB/T 25740

PROFIdrive-Technology is **» Future-Proof » Ready for Industry 4.0 » Compatible with PROFINET@TSN » THE Solution for your Needs**

