

DFS21B

Industrial automation components

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|-----------------------|----------------------------------|
| Manufacturer | Sew-Eurodrive |
| Catalog number | dfs21b |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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|------------------------------------|---|
| Weight | 0.06 kgs |
| Interface Type | fieldbus |
| Product Type | Module |
| Weight | 0.06 kg |
| Application Protocols | PROFINET IO, HTTP, SMLP |
| Connection Technology | 2 × RJ45 with internal switch and auto-crossing |
| Addressing | 4 byte IP address and/or MAC-ID (00:0F:69:xx:xx:xx) |
| Ethernet Services | ARP, ICMP (ping) |
| Baud Rate | 100 Mbaud bps |
| Manufacturer ID (Vendor ID) | 010A (hex) |
| GSD File Name | GSML-V2.1-SEW-DFE-DFS-2Ports-YYYYMMDD.xml |
| Ambient Temperature | 0 to 55 °C |

Description

The Sew-Eurodrive DFS21B is a fieldbus interface option module designed for seamless integration with MOVIDRIVE® MDX61B and MOVITRAC® B inverters. This module enables efficient communication between inverters and higher-level automation systems via the PROFINET IO protocol, facilitating both cyclical and acyclical data exchange. It also supports safety-oriented communication through PROFIsafe, allowing for the activation of safe outputs. Additionally, the DFS21B features an integrated web server, enabling users to access diagnostic data using standard web browsers. Key technical specifications include an external voltage supply of DC 24 V (–15%, +20%), a maximum current draw of 200 mA, and a maximum power consumption of 3.4 W. The module operates at a baud rate of 100 Mbaud in full duplex mode and utilizes two RJ45 connectors with an internal switch and auto-crossing for connectivity. Addressing is managed via a 4-byte IP address and/or MAC-ID (00:0F:69:xx:xx:xx), with F addresses ranging from 1 to 1022, configurable via DIP switches. The module is designed to operate within an ambient temperature range of 0 to 55 °C. For detailed configuration and installation instructions, refer to the "Fieldbus Interface DFS21B PROFINET IO with PROFIsafe" manual.