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3UF5011-3BB00-1

Industrial automation components

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Manufacturer	Siemens
Catalog number	3uf5011-3bb00-1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Communication Interface	PROFIBUS DP (1.5 Mbaud, RS485)
Digital Inputs	4
Digital Outputs	4
Operating Voltage	24 V DC
Current Range	6.3 to 25 A
Width	70 mm
Summation Current Transformer Input	Yes
Monostable Outputs	Yes

Description

The Siemens 3UF5011-3BB00-1 is a SIMOCODE DP Basic Unit designed for advanced motor control and protection in industrial automation systems. This unit features a PROFIBUS DP interface with a 1.5 Mbaud RS485 communication, enabling seamless integration into existing PROFIBUS networks.

It offers four freely parameterizable digital inputs and four digital outputs, providing flexibility for various control and monitoring applications. Operating on a 24 V DC auxiliary supply, it supports a current range from 6.3 to 25 A, accommodating a wide array of motor sizes.

The compact design, with an overall width of 70 mm, allows for efficient use of panel space. Key features include an input for a summation current transformer for ground fault detection and monostable outputs, enhancing safety and reliability in motor operations.

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This unit is ideal for applications requiring centralized motor management, remote diagnostics, and reduced wiring complexity in motor control centers (MCCs). Its robust design and comprehensive protection functions make it suitable for demanding industrial environments where motor availability and process reliability are critical.