

FACT SHEET

Fieldbus communication

PROFIBUS



- Fast communication
- Innovative mounting
- Robust design

PROFIBUS is a complete communication module which enables your products to communicate on a PROFIBUS network.

01 PROFIBUS

Fast and easy communication

Profibus (Process Field Bus) is a standard for fieldbus communication in automation technology. PROFIBUS DP (Decentralized Peripherals) is a standard for fieldbus communication in automation technology and is used to operate sensors and actuators via a centralized controller in production and factory automation applications. The anybus module have solid security to prevent unauthorized software to be downloaded to the module. Furthermore, encryption is used to prevent illicit copying.

Ordering details

Module	Type	Order code	Pkg	KG
PROFIBUS	AB-PROFIBUS-1	1SFA899300R1001	1	0.031

For more information, please contact your local ABB representative or visit <https://new.abb.com/drives/softstarters>

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Technical Details

Dimensions (LxWxH)	52x50x22 mm, 2.04x1.97x0.86" 51x37x16 mm, 2.014.46x0.63" (modules without housing)
Protection class	IP20
RoHS Compliance	Yes
Galvanically isolated network interface	Yes
Profile support	I/O
LED indicator	Integrated on front (with housing), via application interface (without housing). Indicates Module Status and Network Status.

Certifications

UL, cUL	Yes
Network conformance	Yes

CE - Declaration of Pre-Conformity

Emission EN 61000-6-4	EN55016-2-3 Radiated emission EN55022 Conducted emission
Immunity EN 61000-6-2	EN61000-4-2 Electrostatic discharge, EN61000-4-3 Radiated immunity. EN61000-4-4 Fast transients/burst, EN61000-4-5 Surge immunity. EN61000-4-6 Conducted immunity.

Electrical Characteristics

Power requirements	3.3 VDC, +/- 0.15 VDC
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Environmental Characteristics

Operating temp	-40 to 70 oC, -40-158 oF -40 to 85 oC, -40-176 oF (modules without housing)
Humidity	5-95 % non-condensing