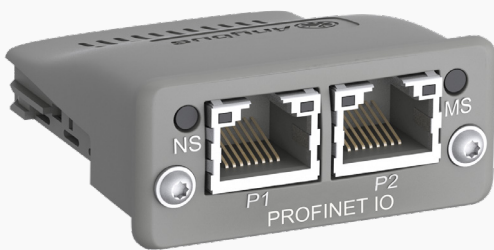


FACT SHEET

Fieldbus communication

PROFINET

- Fast communication
- Innovative mounting
- Robust design



PROFINET is a complete communication module which enables your products to communicate on a PROFINET IRT network. The module supports very fast communication speeds, making it suitable also for high-end industrial devices.

01 PROFINET

Fast and easy communication

PROFINET (profinet acronym for Process Field Net) is an industry technical standard for data communication over Industrial Ethernet, designed for collecting data from, and controlling, equipment in industrial systems, with a particular strength in delivering data under tight time constraints (on the order of 1ms or less). 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 |
|----------|---------------|-----------------|-----|-------|
| PROFINET | AB-PROFINET-2 | 1SFA899300R1010 | 1 | 0.042 |

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, Drives, Energy, Safety (black channel) |
| 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 |
|--------------------|-----------------------|

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 |