SIEMENS

## Data sheet 6ES7148-4FA00-0AB0



SIMATIC DP, ET200 PRO Fail-safe electronic module 8/16 F-DI 24 V DC PROFIsafe, 90 mm overall width, up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849)

| | |
|---|---|
| **Supply voltage** | |
| Rated value (DC) | 24 V |
| Reverse polarity protection | Yes |
| power supply according to NEC Class 2 required | No |
| **Input current** | |
| from supply voltage 1L+, max. | 120 mA; Typical |
| from backplane bus 3.3 V DC, max. | 20 mA |
| **Power loss** | |
| Power loss, typ. | 4.5 W |
| **Digital inputs** | |
| Number of digital inputs | 16 |
| Input current | |
| ● for signal "1", typ. | 3.7 mA |
| **Standards, approvals, certificates** | |
| Highest safety class achievable in safety mode | |
| ● Performance level according to ISO 13849-1 | e |
| ● SIL acc. to IEC 61508 | 3 |
| **Dimensions** | |
| Width | 90 mm |
| Height | 130 mm |
| Depth | 65 mm |
| **Classifications** | |

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-26-04 |
| eClass | 14 | 27-24-26-04 |
| eClass | 12 | 27-24-26-04 |
| eClass | 9.1 | 27-24-26-04 |
| eClass | 9 | 27-24-26-04 |
| eClass | 8 | 27-24-26-04 |
| eClass | 7.1 | 27-24-26-04 |
| eClass | 6 | 27-24-26-04 |
| ETIM | 10 | EC001599 |
| ETIM | 9 | EC001599 |
| ETIM | 8 | EC001599 |
| ETIM | 7 | EC001599 |
| IDEA | 4 | 3566 |


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| | | | |
|---|---|---|---|
| | UNSPSC | 15 | 32-15-17-05 |

## Approvals / Certificates

### General Product Approval

CE EG-Konf. | Miscellaneous | Manufacturer Declaration | UKCA | UL | RCM

| General Product Approval | Functional Saftey | Maritime application |
|---|---|---|

EAC | China RoHS | TUEV | Type Examination Certificate | ABS | BUREAU VERITAS

### Maritime application

DNV | LRS | NK / Nippon Kaiji Kyokai | PRS | RINA | RMRS

### Maritime application

CCS (China Classification Society) | KR (Korean Register of Shipping)

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