



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          | 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            | 9           | EC001599       |
|                                                | ETIM            | 8           | EC001599       |
|                                                | ETIM            | 7           | EC001599       |
|                                                | IDEA            | 4           | 3566           |
| UNSPSC                                         | 15              | 32-15-17-05 |                |
| Approvals / Certificates                       |                 |             |                |
| General Product Approval                       |                 |             |                |



[Miscellaneous](#)

[Manufacturer Declaration](#)



#### Functional Safety

#### Marine / Shipping



[Type Examination Certificate](#)



#### Marine / Shipping

[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)



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