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## Data sheet 6ES7138-4CF42-0AB0




SIMATIC DP, Power Module PM-E F PROFIsafe, f. ET200S; 24 V DC suitable for grounded setup relay for switching the voltage buses P1 and P2 up to Category 3 (EN 954-1)/ SIL2 (IEC61508)/PLD (ISO13849), can also be used in PROFINET configuration with IM 151-3 HF

| | |
|---|---|
| **Supply voltage** | |
| Load voltage L+ | |
| • Rated value (DC) | 24 V |
| • Reverse polarity protection | No |
| **Input current** | |
| From load voltage L+ (no load), typ. | 100 mA |
| from backplane bus 24 V DC, max. | 28 mA |
| **Power loss** | |
| Power loss, typ. | 4 W |
| **Address area** | |
| Address space per module | |
| • Inputs | 5 byte |
| • Outputs | 5 byte |
| **Digital outputs** | |
| Number of digital outputs | 1; Relays |
| Short-circuit protection | No |
| Controlling a digital input | Yes |


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| | |
|---|---|
| Switching capacity of the outputs | |
| • on lamp load, max. | 100 W |
| Switching frequency | |
| • with resistive load, max. | 2 Hz |
| • with inductive load, max. | 0.1 Hz; with inductive load to IEC 60947-5-1, DC-13 / AC-15 |
| • on lamp load, max. | 2 Hz |
| Total current of the outputs (per group) | |
| horizontal installation | |
| — up to 40 °C, max. | 10 A |
| — up to 55 °C, max. | 8 A |
| — up to 60 °C, max. | 7 A |
| vertical installation | |
| — up to 40 °C, max. | 8 A |
| Relay outputs | |
| Switching capacity of contacts | |
| — with resistive load, up to 50 °C, max. | 10 A |

| Interrupts/diagnostics/status information | |
|---|---|
| Diagnostics function | Yes |
| Diagnoses | |
| • Diagnostic information readable | Yes |
| • Wire-break | No |
| • Short-circuit | Yes |
| • missing load voltage | Yes |
| Diagnostics indication LED | |
| • Rated load voltage PWR (green) | Yes |
| • Group error SF (red) | Yes |
| • Status indicator digital output (green) | Yes |

| Potential separation | |
|---|---|
| Potential separation digital outputs | |
| • between the channels | No |
| • between the channels and backplane bus | Yes |
| • Between the channels and load voltage L+ | No |

| Isolation | |
|---|---|
| Isolation tested with | 500 V DC |

| Standards, approvals, certificates | |
|---|---|
| Highest safety class achievable in safety mode | |
| • acc. to EN 954 | 4 |
| • Performance level according to ISO 13849-1 | e |
| • SIL acc. to IEC 61508 | With Std-DO: Max. SIL 2, without Std-DO max. SIL 3 depending on configuration |


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| Dimensions | |
|---|---|
| Width | 30 mm |
| Height | 81 mm |
| Depth | 52 mm |

| Weights | |
|---|---|
| Weight, approx. | 80 g |

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