SIEMENS

# Data sheet for SIMATIC MICRO-DRIVE PDC

**Article No. :** **6BK1630-2AA10-0AA0**



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

## Rated data

| | |
|---|---|
| **Output** | |
| Rated current | 1.56 A |
| Max. output current | 2.3 A |
| Max. output voltage (DC) | 50.4 V |

## Electrical data

| | |
|---|---|
| Operating voltage (DC) | 24 V (19.2 ... 28.8 V) |
| Current demand, max. | 0.9 A |
| Power loss | 8 W |

## General tech.specifications

| | |
|---|---|
| **Product function** | |
| Isochronous mode | Yes |
| Four-quadrant operation | Yes |
| Speed control with encoder | Yes |
| Speed control without encoder | No |
| Safety Functions | Yes (STO, SS1, SLT, SLS, SSM) |
| **Protection function** | |
| Undervoltage protection | Yes |
| Overvoltage protection | Yes |
| Overload protection | Yes |
| Ground-fault protection | Yes |
| Short-circuit protection | Yes |

## Inputs / outputs

| | |
|---|---|
| **Standard digital inputs** | |
| Number | 4 (Permissible DC leakage current (0 signal) to 2 mA) |
| Max. inrush current | 1.6 A |
| **Fail-safe digital inputs** | |
| Number | 1 (For STO, antivalent (2-pin) - 24 V DC) |
| **Digital outputs** | |
| Number | 2 (Source output (PNP, current-sourcing)) |
| **Encoder interface** | |
| Incremental encoder (symmetrical) | Yes (Up to 200 kHz) |
| Incremental encoder (asymmetrical) | Yes |
| Absolut encoder (SSI) | Yes (350 kHz) |
| **PROFINET interface** | |
| Number | 2 |

## Ambient conditions

| | |
|---|---|
| **Ambient temperature during** | |
| Operation | -20 ... 60 °C |
| Operation (horizontal installation) | -20 ... 40 °C |
| Transport | -20 ... 80 °C |
| Storage | -20 ... 80 °C |
| **Relative humidity** | |
| without condensation | 95 % |

## Connections

| | |
|---|---|
| **Max. motor cable length** | |
| Shielded | 10 m |

## Mechanical data

| | |
|---|---|
| Degree of protection | IP20 |
| Mounting type | 35 mm rail, screw mounting |
| Type of ventilation | Convection cooling |
| Brake design | Holding brake |
| Braking chopper | Yes (Onboard, expandable) |
| Net weight | 350 g |
| **Dimensions** | |
| Width | 50 mm |
| Height | 125 mm (136 mm with protective collar for PN connector) |
| Depth | 120 mm |

## Certificates

| | |
|---|---|
| Certificate of suitability | CE / cULus / C-Tick / KC / EAC / China-RoHS-Conformity according to guideline SJ/T 11364-2006 |
| Verification of suitability for fail-safety | SIL 2 acc. to IEC 61508 (2010), PL d according to ISO 13849-1 (2015) |

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