SIEMENS

Data sheet for SIMATIC MICRO-DRIVE PDC

Article No. : **6BK1630-1AA10-0AA0**



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)
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)

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens