SIEMENS

Data sheet for SIMATIC MICRO-DRIVE PDC

Article No. : **6BK1630-1BA00-0AA0**



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data

Output	
Rated current	17.30 A
Max. output current	34.6 A
Output frequency	500 Hz
Max. output voltage (DC)	57.6 V

Electrical data

Operating voltage (DC)	24 V (19.2 ... 28.8 V)
Current demand, max.	0.9 A
Power loss	22 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	No
Protection function	
Undervoltage protection	Yes
Overvoltage protection	Yes
Overload protection	Yes
Short-circuit protection	Yes

Inputs / outputs

Standard digital inputs	
Number	5
Max. inrush current	1.6 A
Fail-safe digital inputs	
Number	0
Digital outputs	
Number	2
Encoder interface	
Incremental encoder (symmetrical)	Yes (Up to 200 kHz)
Absolut encoder (SSI)	Yes (With SSI interface)
PROFINET interface	
Number	2

Ambient conditions

Ambient temperature during	
Operation	-20 ... 60 °C
Transport	-20 ... 80 °C
Storage	-20 ... 80 °C
Relative humidity	
without condensation	90 %

Connections

Max. motor cable length	
Shielded	10 m

Mechanical data

Degree of protection	IP20
Mounting type	35 millimeter rail and mounting plate screw connection
Type of ventilation	Convection cooling
Brake design	Holding brake
Braking chopper	Yes (External resistance)
Net weight	650 g
Dimensions	
Width	90 mm
Height	125 mm (136 mm with protective collar for PN connector)
Depth	120 mm

Certificates

Certificate of suitability	CE / EAC / RoHS