

Article No. : 6BK1136-6AB01-0BU0



Figure similar

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

Item no. :  
Consignment no. :  
Project :

Rated data	
<b>Output</b>	
Rated current	5 A
Max. output current	10 A
Output frequency	599 Hz

Electrical data	
Operating voltage (DC)	24/48 V (16.8 ... 57.6 V)
Current demand, max.	190.00 A
Max. power consumption	300 W (At 50 V)
Power loss	3.5 W
Insulation	DC 850 V, type test (between backplane bus, DC input and functional grounding)
Overshoot category	III

General tech. specifications	
<b>Product function</b>	
I & M data	Yes
Isochronous mode	Yes
Four-quadrant operation	Yes
Speed control with encoder	Yes
Speed control without encoder	No
Safety Functions	Yes (Drive controller with hardwired STO)
<b>Protection function</b>	
Undervoltage protection	Yes
Overshoot protection	Yes
Overload protection	Yes
Ground-fault protection	No
Short-circuit protection	Yes

Inputs / outputs	
<b>Standard digital inputs</b>	
Number	1 (input for message signal)
Max. inrush current	10.0 A
<b>Fail-safe digital inputs</b>	
Number	1 (For STO, antivalent (2-pin) - 24 V DC)
<b>Encoder interface</b>	
Number	1
5 V	Yes
Short-circuit protection	Yes
Max. output current	150 mA
Incremental encoder (symmetrical)	Yes (up to 500 Hz per channel)

Integrated functions	
<b>Position detection</b>	
Incremental acquisition	Yes
Absolute acquisition	No
Suitable for S7-1500 Motion Control	Yes
Status information	
<b>Alarms</b>	
Diagnostic alarm	Yes
Hardware interrupt	No
<b>Diagnoses</b>	
Monitoring the supply voltage	Yes
Wire-break	Yes
Short-circuit	Yes
Group error	Yes
<b>Diagnostics indication LED</b>	
RUN LED	Yes
ERROR LED	Yes
Ambient conditions	
Installation altitude	3,000 m
Pollution degree	2 according to EN 61800-5-1
<b>Ambient temperature during</b>	
Operation (horizontal installation)	-30 ... 60 °C No condensation, splash water, icing, salt spray or oil mist permitted. Note the derating data!
Operation (vertical installation)	-30 ... 50 °C No condensation, splash water, icing, salt spray or oil mist permitted. Note the derating data!
Transport	-30 ... 70 °C
Storage	-30 ... 70 °C
Connections	
<b>Max. motor cable length</b>	
Shielded	10 m

# SIEMENS

## Data sheet for SIMATIC MICRO-DRIVE TM Drives

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### **Mechanical data**

Degree of protection	IP20
Type of ventilation	Convection cooling
Brake design	holding brake control via the process image
Braking chopper	Yes
Net weight	55 g

### **Dimensions**

Width	20 mm
Height	73 mm
Depth	58 mm

### **Certificates**

Certificate of suitability	CE / cULus / C-Tick / KC / EAC / UKCA / RoHS / China-RoHS-Conformity according to guideline SJ/T 11364-2006
Verification of suitability for fail-safety	SIL 2 acc. to IEC 61508 (2010) and IEC 61800-5-2 (2016), PL d according to ISO 13849-1 (2015), Category 3 acc. to ISO 13849-1 (2015)