

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

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

Item no. :
Consignment no. :
Project :

Figure similar



Rated data

Output	
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)
Overvoltage category	III

General tech.specifications

Product function	
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)

Protection function

Undervoltage protection	Yes
Overvoltage protection	Yes
Overload protection	Yes
Ground-fault protection	No
Short-circuit protection	Yes

Inputs / outputs

Standard digital inputs	
Number	1 (input for message signal)
Max. inrush current	10.0 A

Fail-safe digital inputs

Number	1 (For STO, antivalent (2-pin) - 24 V DC)
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Encoder interface

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

Position detection	
Incremental acquisition	Yes
Absolute acquisition	No
Suitable for S7-1500 Motion Control	Yes

Status information

Alarms	
Diagnostic alarm	Yes
Hardware interrupt	No

Diagnoses

Monitoring the supply voltage	Yes
Wire-break	Yes
Short-circuit	Yes
Group error	Yes

Diagnostics indication LED

RUN LED	Yes
ERROR LED	Yes

Ambient conditions

Installation altitude	3,000 m
Pollution degree	2 according to EN 61800-5-1

Ambient temperature during

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

Max. motor cable length	
Shielded	10 m



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)