

Article No. : 6BK1136-6AB01-0CU0

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

Item no. :
Consignment no. :
Project :

Figure similar



Rated data	
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Output	
Rated current	5 A
Max. output current	15 A
Output frequency	599 Hz

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

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

Fail-safe digital inputs	
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Number	1 (For STO, antivalent (2-pin) - 24 V DC)
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Encoder interface	
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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	
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Position detection	
Incremental acquisition	Yes
Absolute acquisition	Yes
Suitable for S7-1500 Motion Control	Yes

Status information	
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Alarms	
Diagnostic alarm	Yes
Hardware interrupt	No

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

Diagnostics indication LED	
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RUN LED	Yes
ERROR LED	Yes

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

Ambient temperature during	
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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	
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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 3 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)