

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3100-1AE31-0AB1

BOOKSIZE BRAKING MODULE

Used with the applicable SINAMICS S120 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SINAMICS S120 technical documentation

Data sheet for Braking Module

Article No. : 6SL3100-1AE31-0AB1

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

Rated data	
Rated power P _{DB}	1.50 kW
Rated power, max.	100.00 kW
Activation threshold	770 V

General technical specifications	
DC link capacitance	110 µF
DC link voltage	DC 510 ... 720 V
Power requirement at 24 V DC, max.	0.50 A

Current carrying capacity	
24V DC busbar	20 A
DC link busbar	100 A

Mechanical data	
Net weight	4.1 kg (9.04 lb)
Dimensions	
Width	50 mm (1.97 in)
Height	380 mm (14.96 in)
Depth	270 mm (10.63 in)



Figure similar

Item no. :
Consignment no. :
Project :

Digital inputs	
Number	2
Voltage	-3 ... 30 V
Low level	-3 V ... 30 V
High level	15 V ... 30 V
Power consumption at 24 V DC, typ.	10 mA

Digital outputs	
Number	2
Voltage	DC 24 V
Load current per digital output, max.	100 mA

Connections	
Digital inputs	
Connection cross-section, max.	1.5 mm² (16 AWG)
Digital outputs	
Connection cross-section, max.	1.5 mm² (16 AWG)
BrakeResistor	
Cable length to braking resistor, max.	10.0 m (32.81 ft)

Standards	
Compliance with standards	cURus