

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3210-5BB15-5BV1

0.55 KW VARIABLE FREQUENCY DRIVE

Used with the applicable SINAMICS V20 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6SL3210-5BB15-5BV1

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Data sheet for SINAMICS V20



Figure similar

MLFB-Ordering data 6SL3210-5BB15-5BV1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.72
Number of phases	1 AC	Offset factor $\cos \varphi$	0.95
Line voltage	200 ... 240 V -15 % +10 %	Efficiency η	0.98
Line frequency	47 ... 63 Hz	Ambient conditions	
Output		Cooling	convection cooling
Number of phases	3 AC	Installation altitude	1000 m (3281 ft)
Rated voltage	400 V	Ambient temperature	
Rated power (HO)	0.55 kW / 0.75 hp	Operation	-10 ... 60 °C (14 ... 140 °F)
Rated power (LO)	0.55 kW / 0.55 hp	Storage	-40 ... 70 °C (-40 ... 158 °F)
Rated current (HO)	3.20 A	Relative humidity	
Rated current (LO)	3.20 A	Max. operation	95 %
		Communication	
Pulse frequency	8 kHz	Communication	USS, Modbus RTU
Output frequency	0 ... 550 Hz	Standards	
		Compliance with standards	CE, cULus, C-Tick (RCM), KC
		CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3

Overload capability
Low Overload (LO)
110 % rated output current for 60 s, cycle time 300 s
High Overload (HO)
150 % rated output current for 60 s, cycle time 300 s

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Figure similar

Mechanical data		Connections	
Mounting position	Wall mounting / side-by-side mounting	Max. motor cable length	
Degree of protection	IP20	Shielded	25 m (33 ft)
Size	FSAB	Unshielded	50 m (164 ft)
Net weight	0.80 kg (1.76 lb)		
Width	68.0 mm (2.68 in)		
Height	142.0 mm (5.59 in)		
Depth	127.8 mm (5.03 in)		

Inputs / outputs	
Standard digital inputs	
Number	4
Digital outputs	
Number as relay changeover contact	1
Number as transistor	1
Analog inputs	
Number	2 (Can be used as additional digital input)
Analog outputs	
Number	1

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