

Siemens 6SL3210-5BE22-2CV1 Manual

Brand	Siemens
Product Series	Siemens
Product Type	Frame size FSA

Description

SINAMICS V20, 3AC 400V 2,2kW FILTER C3

SINAMICS V20 380-480 V 3 AC -15/+10% 47-63Hz rated power 2.2 kW with 150% overload for 60 sec. Integrated filter C3 I/O: 4 DI, 2 DO, 2 AI, 1 AQ fieldbus: USS/MODBUS RTU with built-in BOP protection: IP20/ UL open size: A 90x166x145.5 (WxHxD) with integrated braking unit

Rated data

Input

Number of phases 3 AC

Line voltage 380 ... 480 V -15 % +10 %

Line frequency 47 ... 63 Hz

Output

Number of phases 3 AC

Rated voltage 400V IEC 480V (FE01)

Rated power (LO) 2.20 kW 3.00 hp

Rated power (HO) 2.20 kW 3.00 hp

Rated current (LO) 5.60 A 4.80 A

Rated current (HO) 5.60 A 4.80 A

Rated current (IN) 5.60 A

Pulse frequency 4.00 kHz

Output frequency 0 ... 550 Hz

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

General tech. specifications

Power factor λ 0.72

Offset factor $\cos \varphi$ 0.95

Efficiency η 0.98

Filter class (integrated) Class A

With integrated braking chopper Yes

Communication

Communication USS, Modbus RTU

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

Ambient conditions

Cooling External fan

Installation altitude 1,000 m (3,280.84 ft)

Ambient temperature

Operation2) -10 ... 60 °C (14 ... 140 °F)

Storage -40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation 95 %

Connections

Max. motor cable length

Shielded 10 m (32.81 ft)

Unshielded 50 m (164.04 ft)

Mechanical data

Mounting position Wall mounting / side-by-side mounting

Degree of protection IP20 / UL open type

Frame size FSA

Net weight 1.10 kg (2.43 lb)

Dimensions

Width 90.0 mm (3.54 in)

Height 166.0 mm (6.54 in)

Depth 145.5 mm (5.73 in)

Standards

Compliance with standards CE, cULus, C-Tick (RCM), KC

CE marking EN 61800-5-1 /EN 60204-1 and EN

61800-3

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