SIEMENS

Data sheet for SINAMICS V20

MLFB-Ordering data

6SL3210-5BE31-5CV0

Figure similar

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

Item no. :
Consignment no. :
Project :

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	400 V
Rated power (HO)	15.00 kW / 20.00 hp
Rated power (LO)	15.00 kW / 20.00 hp
Rated current (HO)	31.00 A
Rated current (LO)	31.00 A
Rated current (HO) at 480V	31.00 A
Rated current (LO) at 480V	31.00 A
Pulse frequency	2.00 kHz
Output frequency	0 ... 550 Hz

General tech. specifications

Power factor λ	0.72
Offset factor cos φ	0.95
Efficiency η	0.98

Ambient conditions

Cooling	External fan
Installation altitude	1000 m (3281 ft)

Ambient temperature

Operation	-10 ... 60 °C (14 ... 140 °F)
Storage	-40 ... 70 °C (-40 ... 158 °F)

Relative humidity

Max. operation	95 %

Communication

Communication	USS, Modbus RTU

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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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Mechanical data

Mounting position	Through-hole mounting / wall mounting / side-by-side mounting
Degree of protection	IP20
Size	FSD
Net weight	4.30 kg (9.48 lb)
Width	240.0 mm (9.45 in)
Height	206.5 mm (8.13 in)
Depth	172.5 mm (6.79 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

Connections

Max. motor cable length

Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)