



Ordering data

6SL3223-0DE31-8BA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
Input		Power factor λ	0.90
Number of phases	3 AC	Offset factor $\cos \varphi$	0.95
Line voltage	380 ... 480 V $\pm 10\%$	Efficiency η	0.97
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	56 dB
Rated current (LO)	39.00 A	Power loss	0.52 kW
Rated current (HO)	33.00 A	Ambient conditions	
Output		Cooling	Internal air cooling
Number of phases	3 AC	Cooling air requirement	0.039 m ³ /s
Rated voltage	400 V	Installation altitude	1000 m
Rated power (LO)	18.50 kW	Ambient temperature	
Rated power (HO)	15.00 kW	Operation LO	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	38.00 A	Operation HO	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	32.00 A	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	64.00 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	Relative humidity	
Output frequency for vector control	0 ... 200 Hz	Max. operation	95 % RH, condensation not permitted
Output frequency for V/f control	0 ... 550 Hz		

Overload capability

Low Overload (LO)

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s
 1.5 × output current rating (i.e., 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s
 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s



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Mechanical data		Connections	
Degree of protection	IP55/UL Type 12	Line side	
Size	FSD	Version	M6 bolt
Net weight	31.00 kg	Conductor cross-section	16.00 ... 35.00 mm ²
Width	320.0 mm	Motor end	
Height	640.0 mm	Version	M6 bolt
Depth	329.0 mm	Conductor cross-section	16.00 ... 35.00 mm ²
		Max. motor cable length	
		Shielded	25 m
		Unshielded	100 m
Standards			
Compliance with standards		CE, C-Tick	
CE marking		According to low-voltage directive 2006/95/EC	