

MLFB-Ordering data

6SL3220-1YE60-0CB0



Figure similar

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

ltem no. :
Consignment no. :
Project :

Rated data			General tech	General tech. specifications	
nput			Power factor λ	0.75 0.93	
Number of phases	3 AC		Offset factor cos φ	0.96	
Line voltage	380 480 V +10 % -10 %		Efficiency η	0.98	
Line frequency	47 63 Hz		Sound pressure level (1m)	74 dB	
Rated voltage	400V IEC	480V NEC	Power loss	8.385 kW	
Rated current (LO)	750.00 A	602.00 A	Filter class (integrated)	RFI suppression filter for Category C3	
Rated current (HO)	562.00 A	461.00 A			
Putput			EMC category (with accessories)	Category C3	
Number of phases	3 AC				
Rated voltage	400V IEC	480V NEC	Ambient conditions		
Rated power (LO)	400.00 kW	500.00 hp	Standard board coating type	Class 3C2, according to IEC 6072 3: 2002	
Rated power (HO)	315.00 kW	350.00 hp			
Rated current (LO)	720.00 A	590.00 A	Cooling	Air cooling using an integrated fa	
Rated current (HO)	640.00 A	452.00 A			
Rated current (IN)	735.00 A		Cooling air requirement	0.362 m³/s (12.784 ft³/s)	
Max. output current	972.00 A		Installation altitude	1000 m (3280.84 ft)	
Pulse frequency	4 kHz		Ambient temperature		
Output frequency for vector control	uency for vector control 0 100 Hz		Operation	0 45 ℃ (32 113 °F)	
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Transport	-40 70 °C (-40 158 °F)	
Output frequency for V/f control	0 100 Hz		Storage	-25 55 °C (-13 131 °F)	
			Relative humidity		
			Max operation	95 % At 40 °C (104 °F), condensa	

Overload capability

Low Overload (LO)

110% base load current IL for 60 s in a 300 s cycle time

High Overload (HO)

150% x base load current IH for 60 s within a 600 s cycle time

Max. operation

and icing not permissible



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Mechanical data		Figure simila Closed-loop control techniques		
IP20 / UL open type		·		
FSH	V/f linear / square-law / parameter	r izable Yes		
159 kg (350.54 lb)	V/f with flux current control (FCC)	Yes		
-	V/f ECO linear / square-law	Yes		
	Sensorless vector control	Yes		
	Vector control, with sensor	No		
	Encoderless torque control	Yes		
puts				
6	Torque control, with encoder	No		
	Communication			
	Communication	USS, Modbus RTU, BACnet MS/TP		
5 V	Connections			
15 mA	Signal cable			
	Conductor errors continu	0.15 1.50 mm²		
1	Conductor cross-section	(AWG 24 AWG 16)		
	Line side			
2	Version	M12 screw		
DC 30 V, 5.0 A	Conductor cross-section	240.00 mm² (MCM 2 x 500 MCM 4 x 500)		
0	Motor end			
	Version	M12 screw		
2 (Differential input)	Conductor cross-section	240.00 mm² (MCM 2 x 500 MCM 4 x 500)		
10 bit	DC link (for braking resistor)			
Switching threshold as digital input		M12 screw		
4 V				
1.6 V		150 m (492.13 ft)		
	Sinelaea	150 m (1 92.15 k)		
1 (Non-isolated output)				
	IP20 / UL open type FSH 159 kg (350.54 lb) 548 mm (21.57 in) 1695 mm (66.73 in) 393 mm (15.47 in) 393 mm (15.47 in) 6 11 V 5 V 15 mA 1 2 DC 30 V, 5.0 A 0 2 (Differential input) 10 bit put 4 V 1.6 V	IP20 / UL open type V/f linear / square-law / parameter FSH V/f with flux current control (FCC) 159 kg (350.54 lb) V/f ECO linear / square-law 548 mm (21.57 in) Sensorless vector control 1695 mm (66.73 in) Vector control, with sensor 393 mm (15.47 in) Encoderless torque control 11 V Communication 5 V Communication 11 V Conductor cross-section 15 mA Signal cable 1 Conductor cross-section 1 Conductor cross-section 0 Motor end 0 Version 2 (Differential input) Conductor cross-section 10 bit DC link (for braking resistor) PE connection Max. motor cable length 1.6 V Shielded		

1 motor temperature sensor input, sensors that can be connected: PTC, KTY and Thermo-Click, accuracy $\pm 5~^\circ\mathrm{C}$

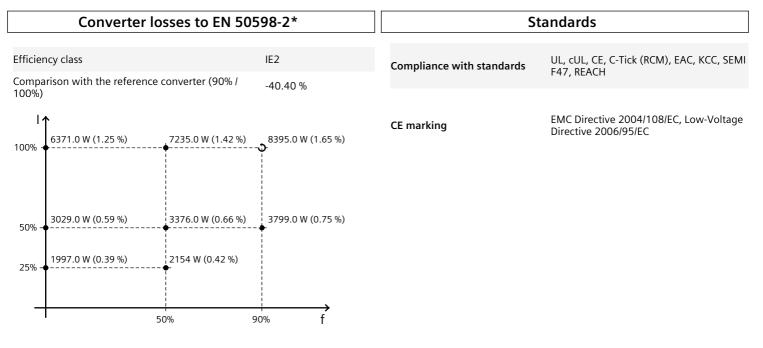


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Figure similar



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard EN 50598) of the relative torque generating current (I) over the relative motor stator frequency(f). The values are valid for the basic version of the converter without options/components.

*converted values