



Figure similar

MLFB-Ordering data

6SL3210-1KE32-1AF1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications																																								
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Mechanical data	
Degree of protection	IP20 / UL open type
Size	FSF
Net weight	65.50 kg (144.40 lb)
Width	305 mm (12.01 in)
Height	708 mm (27.87 in)
Depth	357 mm (14.06 in)
Inputs / outputs	

Standard digital inputs

Number	6
Switching level: 0→1	11 V
Switching level: 1→0	5 V
Max. inrush current	15 mA

Fail-safe digital inputs

Number	1
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Digital outputs

Number as relay changeover contact	1
Output (resistive load)	DC 30 V, 0.5 A
Number as transistor	1
Output (resistive load)	DC 30 V, 0.5 A

Analog / digital inputs

Number	1 (Differential input)
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Analog outputs

Number	1 (Non-isolated output)
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PTC/ KTY interface

1 motor temperature sensor input, sensors that can be connected: PTC, KTY and Thermo-Click, accuracy ±5 °C
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Connections	
Signal cable	
Conductor cross-section	0.15 ... 1.50 mm² (AWG 24 ... AWG 16)
Line side	
Version	screw-type terminal
Conductor cross-section	35.00 ... 120.00 mm² (AWG 2 ... AWG -3)
Motor end	
Version	Screw-type terminals
Conductor cross-section	35.00 ... 120.00 mm² (AWG 2 ... AWG -3)
DC link (for braking resistor)	
Version	Screw-type terminals
Conductor cross-section	35.00 ... 120.00 mm² (AWG 2 ... AWG -3)
Line length, max.	10 m (32.81 ft)
PE connection	Screw-type terminals
Max. motor cable length	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1476.38 ft)

Standards	
Compliance with standards	UL, cUL, CE, C-Tick (RCM)
CE marking	EMC Directive 2004/108/EC, Low-Voltage Directive 2006/95/EC



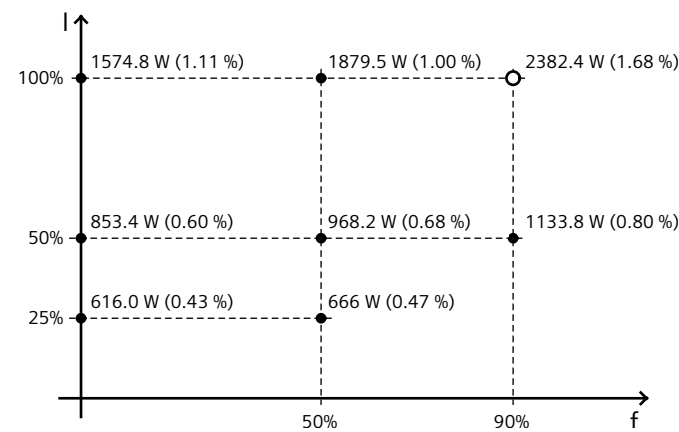
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Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-0.41 %



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