



Figure similar

Article No. : 6SL5130-6UE22-4AC0

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		
Line frequency	47 ... 63 Hz		
Short-circuit strength <sup>1)</sup>	100 kA		
Rated current	42.8 A		
Maximum current	85.5 A		
DC link voltage <sup>2)</sup>			
DC-link voltage	1.35 × line voltage		
DC link capacitance			
of the Smart Line Module	940 µF		
of the drive system, maximum	20,000 µF		
Output			
Rated voltage	380 V	400 V	480 V
Rated power	24.0 kW	25.3 kW	30.0 kW
Maximum power	48.0 kW	51.0 kW	61.0 kW
Rated current	49.0 A		
Maximum current	97.0 A		
Ampacity of the busbars			
for electronics power supply at 24 V DC	20 A		
for DC-link connection	200 A		

### Electrical data

Electronics power supply	DC 24 V (-15 % / 20 %)
Max. power consumption	0.70 A

### General technical specifications

Line power factor	
Fundamental power factor, minimal	.98
Total	0.65 ... 0.98
Sound pressure level	70 dB
Power loss <sup>3)</sup>	0.200 kW
Overvoltage category	IEC 61800-5-1:OVC III

### Ambient conditions

Ambient temperature in operation	-10 ... 55 °C (14 ... 131 °F)
Cooling air throughput	77.000 m <sup>3</sup> /s (0.755 ft <sup>3</sup> /s)
Installation altitude	1,000 m (3,281.00 ft)
Type of cooling <sup>4)</sup>	air cooling with integrated fan
RI suppression	Standard: No radio interference suppression; With line filter: Category C2b according to EN 61800-3 Total cable length up to 750 m (shielded)

### Connections

Line side	
Design	Plug connector with screw or push-in connection
Conductor cross-section	6.0 ... 16 mm <sup>2</sup> (AWG 10 ... AWG 6)
PE conductor	M5 screw/ power connector
Shield connecting kit	Cable shield connection plate integrated into the housing
Line length, max.	
Shielded	1,000 m (3,281.00 ft)
Unshielded	1,200 m (3,937.00 ft)

### Mechanical data

Degree of protection	IP20
Type of construction	Booksize
Net weight	8.2 kg (18.08 lb)
Dimensions	
Width	100 mm (3.94 in)
Height	380 mm (14.96 in)
Depth	270 mm (10.63 in)

### Standards

Compliance with standards	CE, KC, cULus (UL 61800-5-1, CSA 22.2 No. 274), EAC, UKCA, RCM
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<sup>1)</sup>in conjunction with the recommended Class J fuse, or circuit breaker according to UL489 / CSA 22.2 No. 5-02

<sup>2)</sup>The DC link voltage is maintained at the mean value of the rectified line voltage.

<sup>3)</sup>Power loss of the Smart Line Module with rated power including losses of the 24 V DC electronics power supply

<sup>4)</sup>Power units with intensified air cooling thanks to integrated fan