

Data sheet for SINAMICS S220 Smart Line Module Booksize

Article No. : 6SL5130-6UE23-6AC0

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

Item no. :
Consignment no. :
Project :

Figure similar



Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V
Line frequency	47 ... 63 Hz
Short-circuit strength ¹⁾	100 kA
Rated current	64.0 A
Maximum current	128.0 A

DC link voltage ²⁾

DC-link voltage	1.35 × line voltage
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DC link capacitance

of the Smart Line Module	1,410 µF
of the drive system, maximum	20,000 µF

Output

Rated voltage	380 V	400 V	480 V
Rated power	36.0 kW	38.0 kW	45.0 kW
Maximum power	72.0 kW	76.0 kW	91.0 kW
Rated current	72.0 A		
Maximum current	145.0 A		

Ampacity of the busbars

for electronics power supply at 24 V DC	20 A
for DC-link connection	250 A

Electrical data

Electronics power supply	DC 24 V (-15 % / 20 %)
Max. power consumption	2.30 A

General technical specifications

Line power factor

Fundamental power factor, minimal	.98
Sound pressure level	70 dB
Power loss ³⁾	0.400 kW
Overvoltage category	IEC 61800-5-1:OVC III

Ambient conditions

Ambient temperature in operation	-10 ... 55 °C (14 ... 131 °F)
Cooling air throughput	155.000 m³/s (1.521 ft³/s)
Installation altitude	1,000 m (3,281.00 ft)
Type of cooling ⁴⁾	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	Bolt connection, M8
Conductor cross-section	25.0 ... 50 mm² (AWG 4 ... AWG 1/0)
PE conductor	M8 screw/ M8 bolts X1
Shield connecting kit	Cable shield connection plate can be ordered separately.

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	14.9 kg (32.85 lb)
Dimensions	
Width	150 mm (5.91 in)
Height	422 mm (16.61 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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¹⁾in conjunction with the recommended Class J fuse, or circuit breaker according to UL489 / CSA 22.2 No. 5-02

²⁾Observe manual (external precharge, calculation DC link capacitance)

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

⁴⁾Power units with intensified air cooling thanks to integrated fan