

Siemens 6SL3210-1PE21-8UL0 Manual

Brand	Siemens
Product Series	Sheet15
Product Type	Frame size FSB

Description

Data sheet for SINAMICS Power module PM240-2

Article No. : 6SL3210-1PE21-8UL0

Rated data

Input

Number of phases 3 AC

Line voltage 380 ... 480 V $\pm 10\%$

Line frequency 47 ... 63 Hz

Rated current (LO) 22.20 A

Rated current (HO) 19.80 A

Output

Number of phases 3 AC

Rated voltage 400V IEC 480V (FE01)

Rated power (LO) 7.50 kW 10.00 hp

Rated power (HO) 5.50 kW 7.50 hp

Rated current (LO) 18.00 A

Rated current (HO) 13.20 A

Max. output current 27.00 A

Pulse frequency 4 kHz

Output frequency for vector control 0 ... 200 Hz

Output frequency for V/f control 0 ... 550 Hz

Overload capability

Low Overload (LO)

1.1 x rated output current (i.e. 110 % overload) for 57 s with a cycle time of

300 s 1.5 x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 x output current rating (i.e., 150 % overload) for 57 s with a cycle time of

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

General tech. specifications

Power factor λ 0.85

Offset factor $\cos \varphi$ 0.95

Efficiency η 0.97

Sound pressure level (1m) 72 dB

Power loss 0.20 kW

Filter class (integrated) -

Ambient conditions

Cooling Internal air cooling

www.AutoDCSTech.com

Cooling air requirement 0.009 m³/s (0.325 ft³/s)

Installation altitude 1,000 m (3,280.84 ft)

Ambient temperature

Operation LO -10 ... 40 °C (14 ... 104 °F)

Operation HO -10 ... 50 °C (14 ... 122 °F)

Transport -25 ... 55 °C (-13 ... 131 °F)

Storage -25 ... 55 °C (-13 ... 131 °F)

Relative humidity

Max. operation 95 % RH, condensation not permitted

Connections

Line side

Version Plug-in screw terminals

Conductor cross-section 1.50 ... 6.00 mm²

(AWG 16 ... AWG 10)

Motor end

Version Plug-in screw terminals

Conductor cross-section 1.50 ... 6.00 mm²

(AWG 16 ... AWG 10)

Max. motor cable length

Shielded 50 m (164.04 ft)

Unshielded 100 m (328.08 ft)

Mechanical data

Degree of protection IP20 / UL open type

Frame size FSB

Net weight 3.00 kg (6.61 lb) www.AutoDCSTech.com

Dimensions

Width 100 mm (3.94 in)

Height 292 mm (11.50 in)

Depth 165 mm (6.50 in)

Standards

Compliance with standards UL, cUL, CE, C-Tick (RCM), SEMI F47

CE marking Low-voltage directive 2006/95/EC