

Product datasheet

Specifications



LXM62 Single Axis Servo Drive Advanced 27A, HW STO SIL 3 PLE, ACCKIT

LXM62DD27G21000

Main

Range of product	PacDrive 3
Device short name	LXM 62
Product or component type	Single axis servo drive
Component name	LXM62

Complementary

Product compatibility	Servo motor SHS Servo motor SH3 (100 mm, 3 motor stacks) optimized in terms of torque and speed Servo motor SH3 (100 mm, 4 motor stacks) optimized in terms of torque and speed Servo motor SH3 (140 mm, 1 motor stacks) optimized in terms of torque and speed Servo motor MH3 (100 mm, 2 motor stacks) optimized in terms of torque and speed
Network number of phases	Three phase
[Us] rated supply voltage	400 V (- 10...10 %) for three phase 230 V (- 10...10 %) for three phase 230 V (- 10...10 %) for single phase
Supply frequency	50/60 Hz - 5...5 %
Continuous output current	9 A at 4 kHz
Output current 3s peak	27 A at 4 kHz
Continuous power	4.3 kW
Nominal power	4.3 kW
Switching frequency	8 kHz
Overvoltage category	III
Electrical connection	Terminal, clamping capacity: 0.2...15 mm ² , AWG 24...AWG 16 (CN4) Terminal, clamping capacity: 0.5...16 mm ² , AWG 20...AWG 6 (CN5) Terminal, clamping capacity: 0.75...16 mm ² , AWG 18...AWG 6 (CN6) Terminal, clamping capacity: 0.2...6 mm ² , AWG 24...AWG 10 (CN7)
Tightening torque	CN1: 2.5 N.m
Number of inputs	2 digital 2 touch probe
Discrete input voltage	24 V DC for - 20...25 %
Number of outputs	2 digital
Discrete output voltage	24 V DC
Safety function	STO (safe torque off)
Communication interface	SERCOS III, integrated
Depth	270 mm
Height	310 mm

Width	44 mm
Product weight	3 kg

Environment

Standards	CSA C22.2 No 14 ISO 13849-2 IEC 61800-5-2 IEC 61800-3 IEC 62061 IEC 61800-5-1 ISO 13849-1 IEC 61508 UL 508C
Product certifications	EAC CE UL TÜV CSA
IP degree of protection	IP20 conforming to IEC 60529
Vibration resistance	10 m/s ² conforming to IEC 60721-3-3
Shock resistance	100 m/s ² conforming to IEC 60721-3-3
Pollution degree	2 conforming to IEC 61800-5-2
Environmental characteristic	3K3 conforming to IEC 60721-3-3
Relative humidity	5...85 %
Ambient air temperature for operation	5...55 °C
Operating altitude	> 1000 m 1 % per 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.2 cm
Package 1 Width	32.5 cm
Package 1 Length	42.5 cm
Package 1 Weight	4.9 kg
Unit Type of Package 2	S06
Number of Units in Package 2	10
Package 2 Height	75.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	62 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	4 775 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	722 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	4 042 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	8 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	60beca05-ce1c-43ef-b5f4-b7c0f3eb7d27
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	57
End of life manual availability	End of Life Information
Take-back	Yes