

Product data sheet

Specifications



LXM52 single drive 3A/12A

LXM52DD12C41000

Main

Range of product	PacDrive 3
Product or component type	Single drive
Device short name	LXM 52
Product compatibility	Servo motor SH3 (55 mm, 3 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 1 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 2 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 3 motor stacks)optimized in terms of high torque Servo motor SH3 (100 mm, 1 motor stacks)optimized in terms of high torque Servo motor SH3 (100 mm, 2 motor stacks)optimized in terms of high torque Servo motor MH3 (70 mm, 2 motor stacks)optimized in terms of torque and speed Servo motor MH3 (70 mm, 3 motor stacks)optimized in terms of torque and speed Servo motor MH3 (100 mm, 1 motor stacks)optimized in terms of torque and speed Servo motor SHS (100 mm, 1 motor stacks)optimized in terms of torque and speed

Complementary

Network number of phases	3 phases
[Us] rated supply voltage	208...480 V - 15...10 %
Supply frequency	50...60 Hz - 5...5 %
Continuous output current	3 A at 8 kHz
Output current 3s peak	12 A
Continuous power	1.6 kW
Nominal power	0.9 kW
Switching frequency	8 kHz
Overvoltage category	III
Electrical connection	Terminal, clamping capacity: 0.75...5.3 mm², AWG 18...AWG 10 (CN1) Terminal, clamping capacity: 0.75...5.3 mm², AWG 18...AWG 10 (CN10)
Tightening torque	CN1: 0.68 N.m CN10: 0.68 N.m
Number of inputs	4 digital 4 touch probe
Discrete input voltage	24 V DC
Number of outputs	2 digital
Discrete output voltage	24 V DC
Contact bounce time	> 1 ms for compliment of STO_A, compliment of STO_B
Physical interface	SERCOS III
Width	48 mm

Height	270 mm
Depth	217 mm
Net weight	1.8 kg
Environment	
Standards	EN/IEC 61800-5-1 UL 508C EN/IEC 61800-3
Product certifications	UL CE
IP degree of protection	IP20 conforming to EN/IEC 60721-3-3
Vibration resistance	10 m/s² conforming to EN/IEC 60721-3-3
Shock resistance	100 m/s² conforming to EN/IEC 60721-3-3
Pollution degree	2
Environmental characteristic	3K3 conforming to IEC 60721-3-3
Relative humidity	5...95 %
Ambient air temperature for operation	0...50 °C
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	27.5 cm
Package 1 Length	32.5 cm
Package 1 Weight	2.3 kg
Unit Type of Package 2	S03
Number of Units in Package 2	3
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.636 kg
Unit Type of Package 3	P06
Number of Units in Package 3	24
Package 3 Height	80 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	67 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Recommended replacement(s)