



Main

Range of product	Lexium 32
Product or component type	Motion servo drive
Device short name	LXM32S
Format of the drive	Book
Network number of phases	Three phase
[Us] rated supply voltage	200...240 V - 15...10 % 380...480 V - 15...10 %
Supply voltage limits	323...528 V 170...264 V
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
EMC filter	Integrated
Continuous output current	10 A at 8 kHz
Output current 3s peak	30 A for 5 s
Continuous power	2600 W at 230 V
Nominal power	2 KW at 230 V 8 kHz 3 KW at 400 V
Line current	11.6 A 74 % at 380 V, with external line choke of 1 mH 9.6 A 85 % at 480 V, with external line choke of 1 mH 7 A 152 % at 480 V, without line choke

Complementary

Switching frequency	8 KHz
Overvoltage category	III
Maximum leakage current	30 MA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Single-strand IEC cable (temperature: 50 °C) copper 90 °C XLPE/EPR
Electrical connection	Terminal, clamping capacity: 3 mm², AWG 12 (CN8)
Tightening torque	CN8: 0.5 N.m
Discrete input number	2 capture discrete input(s)
Discrete input type	Capture (CAP terminals)
Sampling duration	0.25 Ms
Discrete input voltage	24 V DC for capture
Discrete input logic	Positive (compliment of STO_A, compliment of STO_B) at State 0: < 5 V at S-state 1: > 15 V conforming to EN/IEC 61131-2 type 1
Response time	<= 5 ms compliment of STO_A, compliment of STO_B

Discrete output number	3
Discrete output type	Logic output(s) (DO) 24 V DC
Discrete output voltage	≤ 30 V DC
Discrete output logic	Positive or negative (DO) conforming to EN/IEC 61131-2
Contact bounce time	≤ 1 ms for compliment of STO_A, compliment of STO_B
Braking current	50 MA
Response time on output	250 µs (DO) for discrete output(s)
Safety function	STO (safe torque off), integrated
Safety level	SIL 3 conforming to EN/IEC 61508
Communication interface	Modbus, integrated SERCOS III, integrated
Connector type	RJ45 (labelled CN7) for Modbus
Physical interface	2-wire RS485 multidrop for Modbus
Transmission rate	9600, 19200, 38400 bps for bus length of 40 m for Modbus
Number of addresses	1...247 for Modbus
Status LED	1 LED (red) servo drive voltage
Signalling function	Display of faults 7 segments
Marking	CE
Operating position	Vertical +/- 10 degree
Product compatibility	Servo motor BMH (100 mm, 3 motor stacks)
Width	68 Mm
Height	270 Mm
Depth	237 Mm
Product weight	2.7 Kg

Environment

Electromagnetic compatibility	Conducted EMC conforming to EN 55011 class A group 1
Standards	EN/IEC 61800-3
Product certifications	CSA
IP degree of protection	IP20 conforming to EN/IEC 60529
Vibration resistance	1 gn (f= 13...150 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60028-2-27
Pollution degree	2 conforming to EN/IEC 61800-5-1
Environmental characteristic	Classes 3C1 conforming to IEC 60721-3-3
Relative humidity	Class 3K3 (5 to 85 %) without condensation conforming to IEC 60721-3-3
Ambient air temperature for operation	0...50 °C conforming to UL
Ambient air temperature for storage	-25...70 °C
Type of cooling	Integrated fan
Operating altitude	≤ 1000 m without derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.6 Cm
Package 1 Width	27.5 Cm
Package 1 Length	33 Cm
Package 1 Weight	3.291 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	30 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	7.399 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	16
Package 3 Height	80 Cm

Package 3 Width	80 Cm
Package 3 Length	60 Cm
Package 3 Weight	66.86 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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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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Product Life Status : **Commercialised**