Product data sheet
Characteristics

LXM62PD84A11000
Lexium LXM 62 power supply drive, 42 to 84A



Main

Range of product	PacDrive 3
Product or component type	Power supply
Component name	LXM62

Complementary

Supply circuit type	AC
[Us] rated supply voltage	380...480 V three phase (tolerance: - 10...10 %) 208...360 V three phase (tolerance: - 10...10 %) 208...270 V single phase (tolerance: - 10...10 %)
Supply frequency	50/60 Hz +/- 5 %
[Uc] control circuit voltage	24 V DC (tolerance: - 20...25 %)
Power supply output current	84 A
Bus voltage	270…700 V
Maximum DC bus voltage	860 V
Maximum cable capacity	1.36 MF
[In] rated current	21 A single phase AC 42 A three phase AC
Peak current	42 A single phase AC for 1 s 84 A three phase AC for 1 s
Nominal power	22.1 KW at 400 V three phase AC 26.6 KW at 480 V three phase AC
Maximum power	44.2 KW at 400 V three phase AC 53.2 KW at 480 V three phase AC
Holding time	15 min
Braking resistance	15 Ohm
Permanent braking power	400 W
Maximum braking power	46 KW
Output type	2 relays for volt-free contacts
Physical interface	SERCOS III
Marking	CE
Safety level	Can reach SIL 2 conforming to IEC 61508 Can reach PL d/category 3 conforming to ISO 13849-1
Overvoltage category	III conforming to IEC 61800-5-1
Depth	270 Mm
Width	89.5 Mm
Height	310 Mm
Net weight	6.3 Kg

Environment

Standards	UL 508C IEC 61800-5-1 IEC 61800-3
Product certifications	CSA[RETURN]UL
IP degree of protection	IP20 conforming to IEC 60721-3-3 (with plugged-in connectors)
Vibration resistance	10 m/s² conforming to IEC 60721-3-3
Shock resistance	100 m/s² in operation conforming to IEC 60721-3-3 300 m/s² during transport conforming to IEC 60721-3-3
Pollution degree	2 conforming to IEC 60721-3-3
Environmental characteristic	3K3 conforming to IEC 60721-3-3 5…85 %
Ambient air temperature for operation	40…55 °C (with current derating of 2 % per °C) 5…40 °C
Ambient air temperature for storage	-25…55 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.000 Cm
Package 1 Width	34.000 Cm
Package 1 Length	45.500 Cm
Package 1 Weight	7.312 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	6
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	52.420 Kg

Offer Sustainability

Recyclability potential, in %	50
Total lifecycle Carbon footprint	3 434 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	155.080245785305
Carbon footprint of the manufacturing phase [A1 to A3]	155 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2.136550344987064
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2.893938228995616
Carbon footprint of the installation phase [A5]	3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3263.129638016785
Carbon footprint of the use phase [B2, B3, B4, B6]	3 263 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	10.84155012036188
Carbon footprint of the end-of-life phase [C1 to C4]	11 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	3434
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised