

Product data sheet

Specifications



Ultra compact starter, TeSys Hybrid,
3P, 500VAC, 0.75kW at 400V, 110
to 230VAC, Spring terminal

LZ1H2X43FU

⚠ Discontinued on: Jul 15, 2023

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Main

Range	TeSys
Product Name	TeSys Hybrid
Device Short Name	LZ1H
Product Or Component Type	Ultra-compact starter
Motor Starter Type	Direct on line
Poles Description	3P
[Ue] Rated Operational Voltage	500 V AC
[Ie] Rated Operational Current	2.4 A 500 V AC-51 2.4 A 500 V AC-53A 2.4 A 500 V AC-51 mounting side by side 2.4 A 500 V AC-53A mounting side by side
Thermal Protection Adjustment Range	0.18...2.4 A
Motor Power Kw	0.37 kW 220 V AC 0.65 0.37 kW 230 V AC 0.65 0.75 kW 380 V AC 0.65 0.75 kW 400 V AC 0.65 0.75 kW 415 V AC 0.65 0.75 kW 440 V AC 0.65 1.1 kW 500 V AC 0.65
Motor Power Hp	0.5 hp 200 V AC 0.5 hp 230 V AC 1 hp 460 V AC
[Uc] Control Circuit Voltage	110...230 V AC 50/60 Hz
Thermal Overload Class	Class 10A IEC 60947-4-2

Complementary

Auxiliary Contact Composition	1 C/O fault signalling
Control Circuit Voltage Limits	85...253 V AC
Current Consumption	<= 4 mA 110...230 V AC
Reset	Manual Automatic reset Electrical reset
Electrical Durability	30 Mcycles
Maximum Operating Rate	120 cyc/mn AC-51 50 % 6 cyc/mn AC-53A 50 %
Mounting Mode	By clips
Mounting Support	DIN rail

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connections - Terminals	spring clamp terminals 1 0.00...0.00 in² (0.2...2.5 mm²) rigid spring clamp terminals 1 0.00...0.00 in² (0.25...2.5 mm²) flexible - with cable end spring clamp terminals 1 0.00...0.00 in² (0.2...2.5 mm²) flexible - without cable end
Certifications	CULus CE
Standards	IEC 60947-4-2 UL 60947-4-1
[Ui] Rated Insulation Voltage	500 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	4 kV
Pollution Degree	2
Width	0.89 in (22.5 mm)
Height	3.90 in (99 mm)
Depth	4.51 in (114.5 mm)
Net Weight	7.48 oz (212 g)

Environment

Ip Degree Of Protection	IP20
Protective Treatment	TC
Ambient Air Temperature For Operation	-13...149 °F (-25...65 °C) without derating 149...158 °F (65...70 °C) with derating
Ambient Air Temperature For Storage	-40...176 °F (-40...80 °C)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.42 in (3.6 cm)
Package 1 Width	4.61 in (11.7 cm)
Package 1 Length	4.72 in (12.0 cm)
Package 1 Weight	9.07 oz (257.0 g)
Unit Type Of Package 2	S01
Number Of Units In Package 2	10
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	6.06 lb(US) (2.748 kg)

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)

Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration	
Eu Rohs Directive	Compliant EU RoHS Declaration	
China Rohs Regulation	China RoHS declaration	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	