

Product data sheet

Specifications



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

LZ7H6X53FU

⚠ Discontinued on: Jun 30, 2023

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Main

Range	TeSys
Product name	TeSys Hybrid
Device short name	LZ7H
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	6.5 A 500 V AC-53A 9 A 500 V AC-51 4.5 A 500 V AC-53A mounting side by side 6 A 500 V AC-51 mounting side by side
Thermal protection adjustment range	1.5...9 A
Motor power kW	1.5 kW 220 V AC 0.65 1.5 kW 230 V AC 0.65 2.2 kW 380 V AC 0.65 3 kW 400 V AC 0.65 3 kW 415 V AC 0.65 3 kW 440 V AC 0.65 3 kW 500 V AC 0.65
Motor power hp	1 hp 200 V AC 1.5 hp 230 V AC 3 hp 460 V AC
[Uc] control circuit voltage	110...230 V AC 50/60 Hz
Safety level	SIL 3 IEC 61508-1 stop function PL = e ISO 13849-1 stop function SIL 2 IEC 61508-1 motor protection
Safety reliability data	SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 289 years stop function MTTFd = 273 years motor protection PFHd = 6.27E-9 1/h stop function
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 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
Connections - terminals	spring clamp terminals 1 0.0003...0.004 in ² (0.2...2.5 mm ²) rigid spring clamp terminals 1 0.0004...0.004 in ² (0.25...2.5 mm ²) flexible - with cable end spring clamp terminals 1 0.0003...0.004 in ² (0.2...2.5 mm ²) flexible - without cable end
Certifications	CE CULus ATEX as associated device for motor protection in zones 1 and 21
Standards	UL 60947-4-1 IEC 60947-4-2
[UI] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Pollution degree	2
Width	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Depth	4.5 in (114.5 mm)
Net weight	7.5 oz (212 g)

Environment

IP degree of protection	IP20
Protective treatment	TC
Ambient air temperature for operation	-13.0000000000...86.0000000000 °F (-25...30 °C) without derating 86.0000000000...158.0000000000 °F (30...70 °C) with derating
Ambient air temperature for storage	-40.0000000000...176.0000000000 °F (-40...80 °C)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.4 in (3.6 cm)
Package 1 Width	4.6 in (11.6 cm)
Package 1 Length	4.7 in (11.9 cm)
Package 1 Weight	8.7 oz (247.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	5.822 lb(US) (2.641 kg)

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

[Learn more about Green Premium >](#)

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

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

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
