

Product datasheet

Specifications



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

LZ1H2X4FU

⚠ Discontinued on: 14 Nov 2022

⚠ End-of-service on: 29 Dec 2022

⚠ Discontinued

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 at 500 V AC-51 2.4 A at 500 V AC-53A 2.4 A at 500 V AC-51 mounting side by side 2.4 A at 500 V AC-53A mounting side by side
Thermal protection adjustment range	0.18...2.4 A
Motor power kW	0.37 kW at 220 V AC 0.65 0.37 kW at 230 V AC 0.65 0.75 kW at 380 V AC 0.65 0.75 kW at 400 V AC 0.65 0.75 kW at 415 V AC 0.65 0.75 kW at 440 V AC 0.65 1.1 kW at 500 V AC 0.65
Motor power hp	0.5 hp at 200 V AC 0.5 hp at 230 V AC 1 hp at 460 V AC
[Uc] control circuit voltage	110...230 V AC 50/60 Hz
Thermal overload class	Class 10A conforming to 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 at 110...230 V AC
Reset	Manual Automatic reset Electrical reset
Electrical durability	30 Mcycles
Maximum operating rate	120 cyc/mn AC-51 50 % ON 6 cyc/mn AC-53A 50 % ON
mounting mode	By clips

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

Mounting support	DIN rail
Connections - terminals	Screw clamp terminals 1 cable(s) 0.2...2.5 mm² - rigid Screw clamp terminals 1 cable(s) 0.25...2.5 mm² - flexible - with cable end Screw clamp terminals 1 cable(s) 0.2...2.5 mm² - flexible - without cable end
Tightening torque	0.5...0.6 N.m flat Ø 2.5 mm screwdriver 3 mm
Certifications	CE CULus
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	22.5 mm
Height	99 mm
Depth	114.5 mm
Net weight	212 g

Environment

IP degree of protection	IP20
Protective treatment	TC
Ambient air temperature for operation	-25...65 °C without derating 65...70 °C with derating
ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.6 cm
Package 1 Width	11.7 cm
Package 1 Length	12.0 cm
Package 1 Weight	257.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.748 kg

Sustainability





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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