

# Product data sheet

Specifications



## Ultra compact starter, TeSys Hybrid, 3P, 500VAC, 3kW at 400V, 24VDC

LZ1H6X5BD

### 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	6.5 A at 500 V AC-53A 9 A at 500 V AC-51 5 A at 500 V AC-53A mounting side by side 7 A at 500 V AC-51 mounting side by side
Thermal Protection Adjustment Range	1.5...9 A
Motor Power Kw	1.5 kW at 220 V AC 0.65 1.5 kW at 230 V AC 0.65 2.2 kW at 380 V AC 0.65 3 kW at 400 V AC 0.65 3 kW at 415 V AC 0.65 3 kW at 440 V AC 0.65 3 kW at 500 V AC 0.65
Motor Power Hp	1 hp at 200 V AC 1.5 hp at 230 V AC 3 hp at 460 V AC
[Uc] Control Circuit Voltage	24 V DC
Thermal Overload Class	Class 10A conforming to IEC 60947-4-2

### Complementary

Auxiliary Contact Composition	1 C/O fault signalling
Control Circuit Voltage Limits	19.2...30 V DC
Current Consumption	<= 40 mA at 24 V DC
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
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	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	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	6 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...30 °C without derating 30...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	253.0 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	2.729 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	<a href="#">REACH Declaration</a>	
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>	
China Rohs Regulation	<a href="#">China RoHS declaration</a>	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>	