

# Product data sheet

Specifications



## Ultra compact starter, TeSys Hybrid, 3P, 500VAC, 0.75kW at 400V, 24VDC

LZ1H2X4BD

### 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	24 V DC
Thermal Overload Class	Class 10A 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 24 V DC
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	screw clamp terminals 1 0.00...0.00 in² (0.2...2.5 mm²) rigid screw clamp terminals 1 0.00...0.00 in² (0.25...2.5 mm²) flexible - with cable end screw clamp terminals 1 0.00...0.00 in² (0.2...2.5 mm²) flexible - without cable end
Tightening Torque	4.43...5.31 lbf.in (0.5...0.6 N.m) flat Ø 2.5 mm 0.12 in (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	6 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...158 °F (-25...70 °C) without 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	1.38 in (3.5 cm)
Package 1 Width	4.61 in (11.7 cm)
Package 1 Length	4.72 in (12.0 cm)
Package 1 Weight	8.92 oz (253.0 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	5.95 lb(US) (2.699 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.

[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
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	