

# 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.

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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	