

# Product data sheet

Specifications



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

LZ7H2X4BD

### 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	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	24 V DC
Safety level	SIL 3 conforming to IEC 61508-1 stop function PL = e conforming to ISO 13849-1 stop function SIL 2 conforming to IEC 61508-1 motor protection
Safety reliability data	MTTFd = 517 years stop function SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function
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 Electrical reset
Electrical durability	30 Mcycles

<b>Maximum operating rate</b>	120 cyc/mn AC-51 50 % ON 6 cyc/mn AC-53A 50 % ON
<b>Mounting mode</b>	By clips
<b>Mounting support</b>	DIN rail
<b>Connections - terminals</b>	Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - rigid Screw clamp terminals 1 cable(s) 0.25...2.5 mm <sup>2</sup> - flexible - with cable end Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - flexible - without cable end
<b>Tightening torque</b>	0.5...0.6 N.m flat Ø 2.5 mm screwdriver 3 mm
<b>Certifications</b>	CE CULus ATEX as associated device for motor protection in zones 1 and 21
<b>Standards</b>	IEC 60947-4-2 UL 60947-4-1
<b>[Ui] rated insulation voltage</b>	500 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	6 kV
<b>Pollution degree</b>	2
<b>Width</b>	22.5 mm
<b>Height</b>	99 mm
<b>Depth</b>	114.5 mm
<b>Net weight</b>	212 g

## Environment

<b>IP degree of protection</b>	IP20
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-25...70 °C without derating
<b>Ambient air temperature for storage</b>	-40...80 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.6 cm
<b>Package 1 Width</b>	11.7 cm
<b>Package 1 Length</b>	12.0 cm
<b>Package 1 Weight</b>	254.0 g
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	15.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	2.711 kg



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant

California proposition 65

WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

No

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins