Product data sheet

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

LZ7H6X53BD

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 346.50 USD

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	6.5 A 500 V AC-53A 9 A 500 V AC-51 5 A 500 V AC-53A mounting side by side 7 A 500 V AC-51 mounting side by side
Thermal protection adjustment range	1.5…9 A
Motor power kW	1.5 kW 220 V AC 0.65 1.5 kW 230 V AC 0.65 2.2 kW 380 V AC 0.65 3 kW 400 V AC 0.65 3 kW 415 V AC 0.65 3 kW 440 V AC 0.65 3 kW 500 V AC 0.65
Maximum Horse Power Rating	1 hp 200 V AC 1.5 hp 230 V AC 3 hp 460 V AC
[Uc] control circuit voltage	24 V DC
Safety level	SIL 3 IEC 61508-1 stop function PL = e ISO 13849-1 stop function SIL 2 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 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Reset	Manual 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
Connections - terminals	spring clamp terminals 1 0.0003…0.004 in² (0.2…2.5 mm²) rigid spring clamp terminals 1 0.0004…0.004 in² (0.25…2.5 mm²) flexible - with cable end spring clamp terminals 1 0.0003…0.004 in² (0.2…2.5 mm²) flexible - without cable end
Certifications	ATEX as associated device for motor protection in zones 1 and 21 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	0.9 in (22.5 mm)
Height	3.9 in (99 mm)
Depth	4.5 in (114.5 mm)
Net Weight	7.5 oz (212 g)

Environment

IP degree of protection	IP20
Protective treatment	TC
Ambient air temperature for operation	-13.0000000000…86.0000000000 °F (-25…30 °C) without derating 86.0000000000…158.0000000000 °F (30…70 °C) with derating
Ambient Air Temperature for Storage	-40.0000000000…176.0000000000 °F (-40…80 °C)

Ordering and shipping details

Category	US10I1222349
Discount Schedule	0I12
GTIN	3606485421186
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.4 in (3.6 cm)
Package 1 Width	4.6 in (11.7 cm)
Package 1 Length	4.7 in (12.0 cm)
Package 1 Weight	8.5 oz (242.0 g)
Unit Type of Package 2	S01

Number of Units in Package 2	10
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	5.725 lb(US) (2.597 kg)

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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	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.
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov