Product data sheet

Specifications



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

LZ7H6X5BD

Product availability: Stock - Normally stocked in distribution facility

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
Reset	Manual Electrical reset
Electrical durability	30 Mcycles

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

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

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	screw clamp terminals 1 0.0003…0.004 in² (0.2…2.5 mm²) rigid screw clamp terminals 1 0.0004…0.004 in² (0.25…2.5 mm²) flexible - with cable end screw clamp terminals 1 0.0003…0.004 in² (0.2…2.5 mm²) flexible - without cable end
Tightening torque	4.4…5.3 lbf.in (0.5…0.6 N.m) flat Ø 2.5 mm screwdriver 0.1 in (3 mm)
Certifications	ATEX as associated device for motor protection in zones 1 and 21 CE CULus
Standards	UL 60947-4-1 IEC 60947-4-2
[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)
Product Weight	7.5 oz (212 g)

Environment

IP degree of protection	IP20
Protective treatment	TC
Ambient air temperature for operation	-13…86 °F (-25…30 °C) without derating 86…158 °F (30…70 °C) with derating
Ambient Air Temperature for Storage	-40…176 °F (-40…80 °C)

Ordering and shipping details

Category	US10I1222349
Discount Schedule	0I12
GTIN	3606485421179
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	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 (11.9 cm)
Package weight(Lbs)	9.0 oz (255.0 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	5.992 lb(US) (2.718 kg)

Contractual warranty

Warranty (in months)	18

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	Yes
SCIP Number	7bbe12ea-c2b0-4258-881b-998147fc2e25
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

Circularity Profile	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.

Technical Illustration

Assembly's dimensions

