

# LZ8H6X5BD

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



## Main

Range	TeSys
Product name	TeSys Hybrid
Device short name	LZ8H
Product or Component Type	Reversing 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 PFHd = 2.67E-9 1/h stop function SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 447 years motor protection
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
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 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid Screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible - with cable end Screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) 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	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	0.89 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...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	22349-TESYS H ELECTRONIC STARTER 0-6.5A
Discount Schedule	I12
GTIN	3606485421254
Returnability	No
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.38 in (3.5 cm)
Package 1 Width	4.61 in (11.7 cm)
Package 1 Length	4.69 in (11.9 cm)
Package 1 Weight	9.35 oz (265.0 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	6.28 lb(US) (2.85 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

