

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

LZ8H6X5BD

Main

Mairi		
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	
[le] rated operational current	6.5 A at 500 V AC-53A	
	9 A at 500 V AC-51	
	5 A at 500 V AC-53A mounting side by side	
	7 A at 500 V AC-51 mounting side by side	
Thermal protection adjustment range	1.59 A	
Motor power kW	1.5 kW at 220 V AC 0.65	
·	1.5 kW at 230 V AC 0.65	
	2.2 kW at 380 V AC 0.65	
	3 kW at 400 V AC 0.65	
	3 kW at 415 V AC 0.65	
	3 kW at 440 V AC 0.65	
	3 kW at 500 V AC 0.65	
Motor power hp	1 hp at 200 V AC	
	1.5 hp at 230 V AC	
	3 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	
	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 conforming to IEC 60947-4-2	

Complementary

Auxiliary contact composition	1 C/O fault signalling
Control circuit voltage limits	19.230 V DC
Current consumption	<= 40 mA at 24 V DC
Reset	Manual Electrical reset
Electrical durability	30 Mcycles

Maximum operating rate	120 cyc/mn AC-51 50 % ON 6 cyc/mn AC-53A 50 % ON	
Mounting mode	By clips	
Mounting support	DIN rail	
Connections - terminals	Screw clamp terminals 1 cable(s) 0.22.5 mm² - rigid Screw clamp terminals 1 cable(s) 0.252.5 mm² - flexible - with cable end Screw clamp terminals 1 cable(s) 0.22.5 mm² - flexible - without cable end	
Tightening torque	0.50.6 N.m flat Ø 2.5 mm screwdriver 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	22.5 mm	
Height	99 mm	
Depth	114.5 mm	
Product weight	212 g	

Environment

IP degree of protection	IP20	
Protective treatment	TC	
Ambient air temperature for operation	-2530 °C without derating 3070 °C with derating	
Ambient air temperature for storage	-4080 °C	

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.5 cm
Package 1 Width	11.7 cm
Package 1 Length	11.9 cm
Package 1 Weight	265.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.85 kg



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 >

Use Better

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

Use Again

○ Repack and remanufacture		
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	