

# LZ8H2X4BD

## Reversing Starter TeSys H Safe-Torque-Off 0,75kW-400V control 24VDC



### Main

Range	TeSys
Product name	TeSys H
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	2.4 A at 500 V AC-53A 2.4 A at 500 V AC-51 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	0.75 kW at 415 V AC with power factor : 0.65 1.1 kW at 500 V AC with power factor : 0.65 0.37 kW at 220 V AC with power factor : 0.65 0.75 kW at 400 V AC with power factor : 0.65 0.37 kW at 230 V AC with power factor : 0.65 0.75 kW at 380 V AC with power factor : 0.65 0.75 kW at 440 V AC with power factor : 0.65
Motor power hp	0.5 hp at 230 V AC 1 hp at 460 V AC 0.5 hp at 200 V AC
Control circuit voltage	24 V DC
Safety level	SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function SIL 3 conforming to IEC 61508-1 stop function
Safety reliability data	MTTFd = 447 years motor protection MTTFd = 517 years stop function SFF = 99 % motor protection PFHd = 2.67E-9 1/h stop function SFF = 99 % stop function
Overload tripping 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	Electrical reset Manual
Electrical durability	30 Mcycles
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 0.25...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable 0.2...2.5 mm <sup>2</sup> - cable stiffness: rigid Screw clamp terminals 1 cable 0.2...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end
Tightening torque	0.5...0.6 N.m - with screwdriver 3 mm flat Ø 2.5 mm
Certifications	ATEX as associated device for motor protection in zones 1 and 21 CULus CE

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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	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	-25...70 °C without derating
Ambient air temperature for storage	-40...80 °C

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant since 1526; Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
Product environmental profile	Available <a href="#">Product Environmental</a>
Product end of life instructions	Available <a href="#">End Of Life Manual</a>