

LZ7H6X5BD

Starter TeSys H Safe-Torque-Off 3kW-400V control
24VDC



Main

Range	TeSys
Product name	TeSys H
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	9 A at 500 V AC-51 6.5 A at 500 V AC-53A 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	1.5...9 A
Motor power kW	1.5 kW at 220 V AC with power factor : 0.65 1.5 kW at 230 V AC with power factor : 0.65 2.2 kW at 380 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 3 kW at 415 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 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 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 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	Manual Electrical reset
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 0.2...2.5 mm ² - cable stiffness: rigid Screw clamp terminals 1 cable 0.25...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable 0.2...2.5 mm ² - cable stiffness: flexible - without cable end
Tightening torque	0.5...0.6 N.m - with screwdriver 3 mm flat Ø 2.5 mm
Certifications	CE ATEX as associated device for motor protection in zones 1 and 21

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CULus

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...30 °C without derating > 30...70 °C with derating
ambient air temperature for storage	-40...80 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1526 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available