



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

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

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 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 Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available