



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 500 V AC-51 2.4 A 500 V AC-53A 2.4 A 500 V AC-51 mounting side by side 2.4 A 500 V AC-53A mounting side by side
Thermal protection adjustment range	0.18...2.4 A
Motor power kW	0.37 kW 220 V AC 0.65 0.37 kW 230 V AC 0.65 0.75 kW 380 V AC 0.65 0.75 kW 400 V AC 0.65 0.75 kW 415 V AC 0.65 0.75 kW 440 V AC 0.65 1.1 kW 500 V AC 0.65
Motor power hp	0.5 hp 200 V AC 0.5 hp 230 V AC 1 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

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 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 ² (0.2...2.5 mm ²) rigid screw clamp terminals 1 0.00...0.00 in ² (0.25...2.5 mm ²) flexible - with cable end screw clamp terminals 1 0.00...0.00 in ² (0.2...2.5 mm ²) 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	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	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...158 °F (-25...70 °C) without derating
Ambient air temperature for storage	-40...176 °F (-40...80 °C)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	9.38 oz (266 g)
Package 1 Height	1.42 in (3.6 cm)
Package 1 width	4.72 in (12 cm)
Package 1 Length	4.72 in (12 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	6.36 lb(US) (2.885 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant

[EU RoHS Declaration](#)

Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins