



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	6.5 A 500 V AC-53A 9 A 500 V AC-51 4.5 A 500 V AC-53A mounting side by side 6 A 500 V AC-51 mounting side by side
Thermal protection adjustment range	1.5...9 A
Motor power kW	1.5 KW 220 V AC 0.65 1.5 KW 230 V AC 0.65 2.2 KW 380 V AC 0.65 3 KW 400 V AC 0.65 3 KW 415 V AC 0.65 3 KW 440 V AC 0.65 3 kW 500 V AC 0.65
Maximum Horse Power Rating	1 Hp 200 V AC 1.5 Hp 230 V AC 3 hp 460 V AC
[Uc] control circuit voltage	110...230 V AC 50/60 Hz
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	SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 289 years stop function MTTFd = 273 years motor protection PFHd = 6.27E-9 1/h stop function
Thermal overload class	Class 10A IEC 60947-4-2

Complementary

Auxiliary contact composition	1 C/O fault signalling
Control circuit voltage limits	85...253 V AC
Current consumption	<= 4 mA 110...230 V AC
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)

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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	4 kV
Pollution degree	2
Maximum Width	0.89 in (22.5 mm)
Maximum Height	3.90 in (99 mm)
Maximum 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...86 °F (-25...30 °C) without derating 86...158 °F (30...70 °C) with derating
Ambient air temperature for storage	-40...176 °F (-40...80 °C)

Ordering and shipping details

Category	22349 - TESYS H ELECTRONIC STARTER 0-6.5A
Discount Schedule	I12
GTIN	00785901716594
Nbr. of units in pkg.	1
Package weight(Lbs)	0.5 lb(US) (0.23 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.42 in (3.6 cm)
Package 1 width	4.61 in (11.7 cm)
Package 1 Length	4.69 in (11.9 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	6.10 lb(US) (2.769 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 free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
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.