

# Product datasheet

Specifications



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

Local distributor code: 403007422 LZ7H2X4BD

EAN Code : 3606485421018

### Main

Range	TeSys
Product name	TeSys Hybrid
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	2.4 A at 500 V AC-51 2.4 A at 500 V AC-53A 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	0.37 kW at 220 V AC 0.65 0.37 kW at 230 V AC 0.65 0.75 kW at 380 V AC 0.65 0.75 kW at 400 V AC 0.65 0.75 kW at 415 V AC 0.65 0.75 kW at 440 V AC 0.65 1.1 kW at 500 V AC 0.65
Motor power hp	0.5 hp at 200 V AC 0.5 hp at 230 V AC 1 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
<b>Complementary</b>	
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
<b>Electrical durability</b>	30 Mcycles
<b>Maximum operating rate</b>	120 cyc/mn AC-51 50 % ON 6 cyc/mn AC-53A 50 % ON
<b>Mounting mode</b>	By clips
<b>Mounting support</b>	DIN rail
<b>Connections - terminals</b>	Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - rigid Screw clamp terminals 1 cable(s) 0.25...2.5 mm <sup>2</sup> - flexible - with cable end Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - flexible - without cable end
<b>Tightening torque</b>	0.5...0.6 N.m flat Ø 2.5 mm screwdriver 3 mm
<b>Certifications</b>	CE CULus ATEX as associated device for motor protection in zones 1 and 21
<b>Standards</b>	IEC 60947-4-2 UL 60947-4-1
<b>[Ui] rated insulation voltage</b>	500 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	6 kV
<b>Pollution degree</b>	2
<b>Width</b>	22.5 mm
<b>Height</b>	99 mm
<b>Depth</b>	114.5 mm
<b>Net weight</b>	212 g

## Environment

<b>IP degree of protection</b>	IP20
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-25...70 °C without derating
<b>Ambient air temperature for storage</b>	-40...80 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.6 cm
<b>Package 1 Width</b>	11.7 cm
<b>Package 1 Length</b>	12.0 cm
<b>Package 1 Weight</b>	254.0 g
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	15.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	2.711 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>

<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)