Product data sheet
Characteristics

LZ7H6X5BD
Ultra compact starter, TeSys Hybrid, Safe Torque Off, 3P, 500VAC, 3kW at 400V, 24VDC,



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	6.5 A at 500 V AC-53A 9 A at 500 V AC-51 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 0.65 1.5 KW at 230 V AC 0.65 2.2 KW at 380 V AC 0.65 3 KW at 400 V AC 0.65 3 KW at 415 V AC 0.65 3 KW at 440 V AC 0.65 3 KW at 500 V AC 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

Maximum 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(s) 0.2…2.5 mm² - rigid Screw clamp terminals 1 cable(s) 0.25…2.5 mm² - flexible - with cable end Screw clamp terminals 1 cable(s) 0.2…2.5 mm² - flexible - without cable end
Tightening torque	0.5…0.6 N.M flat Ø 2.5 mm screwdriver 3 mm
Certifications	ATEX as associated device for motor protection in zones 1 and 21 CE CULus
Standards	UL 60947-4-1 IEC 60947-4-2
[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
Net 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.6 Cm
Package 1 Width	11.7 Cm
Package 1 Length	11.9 Cm
Package 1 Weight	255.0 G
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	15.0 Cm
Package 2 Width	15.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	2.718 Kg

Offer Sustainability

Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Environmental Disclosure	Product Environmental Profile
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	7bbe12ea-c2b0-4258-881b-998147fc2e25
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised