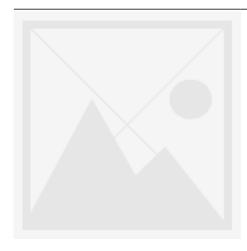
Product datasheet Characteristics

LZ7H6X53BD

Starter TeSys H Safe-Torque-Off 3kW-400V control 24VDC Spring



Main

Range 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 [le] rated operational current 6.5 A at 500 V AC-53A 5 A at 500 V AC-53A 7 A at 500 V AC-51 7 A at 500 V AC-51 7 A at 500 V AC-51 8 A t 500 V AC-51 9 A at 500 V AC-5	IVIAIII		ç
Product or component type	Range	TeSys	j
Product or component type Ultra-compact starter Motor starter type Direct on line Poles description 3P [Ue] rated operational voltage 500 V AC [le] rated operational current 6.5 A at 500 V AC-53A	Product name	TeSys H	
Product or component 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 5 A at 500 V AC-53A 5 A at 500 V AC-53A 7 A at 500 V AC-51 8 W at 230 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 1.5 kW at 220 V AC with power factor : 0.65 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 400 V AC with power factor : 0.65 3 kW at 410 V AC with power factor : 0.65 3 kW at 410 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 3 kW at 410 V AC with power factor : 0.65 3 kW at 410 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 k	Device short name	LZ7H	
Motor starter type Direct on line Poles description 3P [Ue] rated operational voltage 500 V AC [le] rated operational current 6.5 A at 500 V AC-53A 5.0 At 500 V AC-53A 5.0 At 500 V AC-53A 5.0 At 500 V AC-53 A 5.0 At 500 V AC-51 7.0 At 500	Product or component type	Ultra-compact starter	
Poles description 3P [Ue] rated operational voltage 500 V AC [Ie] rated operational current 6.5 A at 500 V AC-53A 5 A at 500 V AC-53A 5 A at 500 V AC-51 7 A at 500 V AC-51 7 A at 500 V AC-51 7 A at 500 V AC-51 8 A at 500 V AC-51 9 A at 500 V AC-51 15 kW at 230 V AC with power factor : 0.65 15 kW at 230 V AC with power factor : 0.65 15 kW at 220 V AC with power factor : 0.65 15 kW at 220 V AC with power factor : 0.65 15 kW at 415 V AC with power factor : 0.65 3 kW at 415 V AC with power factor : 0.65 3 kW at 410 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 4 kW at 440 V AC with power factor : 0.65 5 kW at 440 V AC with power factor : 0.65 6 kW at 440 V AC with power factor : 0.65 7 kW at 440 V AC with power factor : 0.65 8 kW at 440 V AC with power factor : 0.65 9 kW at 440 V AC with power factor : 0.65 9 kW at 440 V AC with power factor : 0.65 9 kW at 440 V AC with power factor : 0.65 15 kW at 440 V AC with power factor : 0.65 15 kW at 440 V AC with power factor : 0.65 15 kW at 440 V AC with power factor : 0.65 16 kW at 440 V AC with power factor : 0.65 17 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power factor : 0.65 18 kW at 440 V AC with power fac	Motor starter type	Direct on line	
[Ue] rated operational current 6.5 A at 500 V AC-53A 5 A at 500 V AC-53A 9 A at 500 V AC-51 7 A at 500 V AC-51 7 A at 500 V AC-51 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 230 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 2.2 kW at 380 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65 3 kW at 450 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 Motor power hp 3 hp at 460 V AC 1.5 hp at 230 V AC 1 hp at 200 V AC Control circuit voltage 24 V DC Safety level SIL 3 conforming to IEC 61508-1 stop function SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function Safety reliability data MTTFcd = 517 years stop function SFF = 99 % motor protection PFH d = 2.40E-9 1/h stop function Overload tripping class Class 10A conforming to IEC 60947-4-2	Poles description	3P	<u></u>
[le] rated operational current 6.5 A at 500 V AC-53A 5 A at 500 V AC-53A 9 A at 500 V AC-51 7 A at 500 V AC-51 8 At 500 V AC with power factor: 0.65 3 kW at 230 V AC with power factor: 0.65 3 kW at 200 V AC with power factor: 0.65 3 kW at 200 V AC with power factor: 0.65 3 kW at 415 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 440 V AC with power factor: 0.65 3 kW at 440 V AC with power factor: 0.65 8 AV AC WITH POW	[Ue] rated operational voltage	500 V AC	·
Thermal protection adjustment range	[le] rated operational current	5 A at 500 V AC-53A mounting side by side 9 A at 500 V AC-51	i de Arien
Control circuit voltage 24 V DC Safety level SIL 3 conforming to IEC 61508-1 stop function SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function Safety reliability data MTTFd = 517 years stop function SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function	Thermal protection adjustment range	1.59 A	
Motor power hp 3 hp at 460 V AC 1.5 hp at 230 V AC 1 hp at 200 V AC Control circuit voltage 24 V DC Safety level SIL 3 conforming to IEC 61508-1 stop function SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function Safety reliability data MTTFd = 517 years stop function SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function Overload tripping class Class 10A conforming to IEC 60947-4-2	Motor power kW	3 kW at 400 V AC with power factor : 0.65 1.5 kW at 220 V AC with power factor : 0.65 2.2 kW at 380 V AC with power factor : 0.65 3 kW at 415 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 0.65	
Control circuit voltage 24 V DC Safety level SIL 3 conforming to IEC 61508-1 stop function SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function Safety reliability data MTTFd = 517 years stop function SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function Overload tripping class Class 10A conforming to IEC 60947-4-2	Motor power hp	1.5 hp at 230 V AC	
Safety level SIL 3 conforming to IEC 61508-1 stop function SIL 2 conforming to IEC 61508-1 motor protection PL = e conforming to ISO 13849-1 stop function Safety reliability data MTTFd = 517 years stop function SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function Overload tripping class Class 10A conforming to IEC 60947-4-2	Control circuit voltage	24 V DC	
Safety reliability data MTTFd = 517 years stop function SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection MTTFd = 2.40E-9 1/h stop function Overload tripping class Class 10A conforming to IEC 60947-4-2	Safety level	SIL 2 conforming to IEC 61508-1 motor protection	
Overload tripping class Class 10A conforming to IEC 60947-4-2	Safety reliability data	SFF = 99 % motor protection SFF = 99 % stop function MTTFd = 447 years motor protection	i de la companya de l
	Overload tripping class	Class 10A conforming to IEC 60947-4-2	

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1526 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
	<u> </u>
Product environmental profile	Available Product environmental
Product end of life instructions	Available

Complementary

Auxiliary contact composition	1 C/O fault signalling	
Control circuit voltage limits	19.230 V DC	
Current consumption	<= 40 mA at 24 V DC	
Reset	Electrical reset Manual	
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	Spring clamp terminals 1 cable 0.22.5 mm² - cable stiffness: rigid Spring clamp terminals 1 cable 0.22.5 mm² - cable stiffness: flexible - without cable end Spring clamp terminals 1 cable 0.252.5 mm² - cable stiffness: flexible - with cable end	
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	> 3070 °C with derating -2530 °C without derating
Ambient air temperature for storage	-4080 °C