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Data sheet

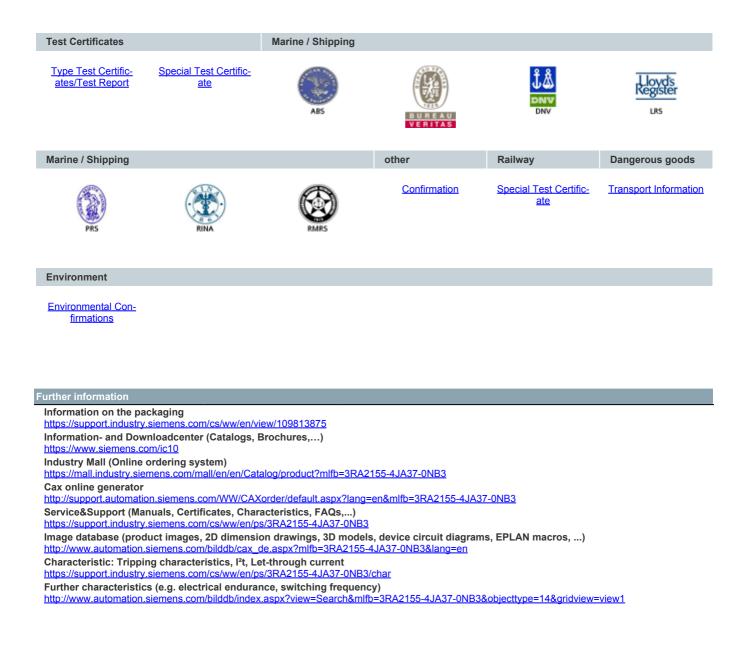
3RA2155-4JA37-0NB3

	Fuseless motor starter Direct start 600VAC Size S2 54-65Amp 20-33V Ac/dc screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO+1NC (contactor)
product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	direct starter
manufacturer's article number	
 of the supplied contactor 	<u>3RT2037-1NB30</u>
 of the supplied circuit-breakers 	<u>3RV2032-4JA15</u>
 of the supplied link module 	<u>3RA2931-1AA00</u>
General technical data	
size of the circuit-breaker	\$2
size of load feeder	S2
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
	2
type of assignment	
Weight Ambient conditions	3.16 kg
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-55 +80 °C
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current- dependent overload release	54 65 A
operating voltage	
 rated value 	690 V
 at AC-3 rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current at AC-3 at 400 V rated value	55 A
operating power at AC-3	
• at 400 V rated value	30 000 W
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	24 V
• at 50 Hz rated value	20 33 V
• at 60 Hz rated value	24 V
• at 60 Hz rated value	20 33 V
control supply voltage at DC rated value	24 V
control supply voltage at DC rated value	20 33 V
inductive power factor with the holding power of the coil	1
holding power of magnet coil at DC	1 W
Auxiliary circuit	
number of NC contacts for smillions a set - t-	2
number of NC contacts for auxiliary contacts	
number of NC contacts for auxiliary contacts	2
	2

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design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	845 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	65 A
• at 600 V rated value	54 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	5 hp
— at 230 V rated value	10 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	20 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	50 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (lq)	
 at 400 V according to IEC 60947-4-1 rated value 	150 000 A
• at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	100 000 A
mounting position	vertical
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug
height	274 mm
width	55 mm
depth	150 mm
required spacing	
 for grounded parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	10 mm
 for live parts 	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts stranded	1 50 mm², 2x (1 25 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing	1 35 mm²
Safety related data	
proportion of dangerous failures with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	
General Product Approval	For use in hazard- ous locations
UK CE Confirmation UL EFFE Confirmation	

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