SIEMENS

Data sheet

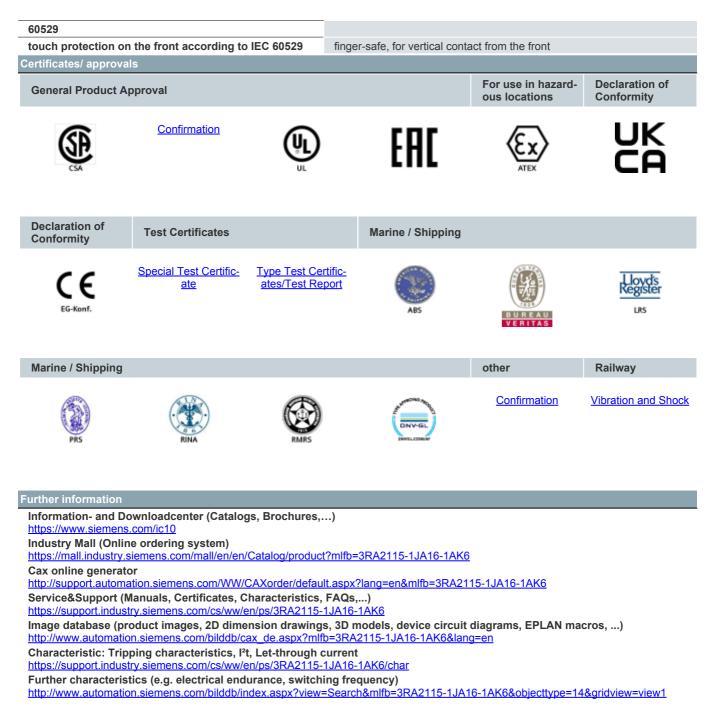
3RA2115-1JA16-1AK6



Fuseless motor starter Direct start 600VAC Size S00 7-10A 110/120VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 1 1NO+1NC (MSP) 1NO (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>3RT2016-1AK61</u>
 of the supplied circuit-breakers 	<u>3RV2011-1JA15</u>
 of the supplied link module 	<u>3RA1921-1DA00</u>
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
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 (switching cycles) of contactor typical	30 000 000
type of assignment	1
Ambient conditions	
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	7 10 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	8.5 A
operating power at AC-3	
• at 400 V rated value	4 000 W
• at 500 V rated value	5 500 W
Control circuit/ Control	
control supply voltage at AC	

• at 50 Hz rated value 93.5 121 V • at 60 Hz rated value 120 V • at 60 Hz rated value 96 132 V apparent holding power of magnet coil at AC 4.8 VA inductive power factor with the holding power of the coil 0.25 Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2	
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coil Auxiliary circuit number of NC contacts for auxiliary contacts 1	
number of NC contacts for auxiliary contacts 1	
number of NO contracts for auxiliant contracts	
number of NO contacts for auxiliary contacts 2	
Protective and monitoring functions	
trip class CLASS 10	
design of the overload release thermal (bimetallic)	
response value current of instantaneous short-circuit trip 130 A	
unit	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value 7.6 A	
at 600 V rated value 9 A	
yielded mechanical performance [hp]	
for 3-phase AC motor	
- at 200/208 V rated value 2 hp	
- at 220/230 V rated value 3 hp	
- at 460/480 V rated value 5 hp	
— at 575/600 V rated value 7.5 hp	
Short-circuit protection	
product function short circuit protection Yes	
design of the short-circuit trip magnetic	
conditional short-circuit current (Iq)	
at 400 V according to IEC 60947-4-1 rated value 153 000 A	
Installation/ mounting/ dimensions	
mounting position vertical	
fastening method Snap-mounted to DIN rail or screw-mounted with additional push-	in lug
height 167.2 mm	
width 45 mm	
depth 97.1 mm	
required spacing	
for grounded parts	
— forwards 0 mm	
— backwards 0 mm	
— upwards 20 mm	
- at the side 9 mm	
— downwards 10 mm	
 downwards for live parts 	
- downwards 10 mm • for live parts - forwards 0 mm 0 mm	
- downwards 10 mm • for live parts - - forwards 0 mm - backwards 0 mm	
- downwards 10 mm • for live parts - - forwards 0 mm - backwards 0 mm - upwards 20 mm	
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