

Combination Starter Non Reversing Fast Bus FLA Range 35-45A 3 Pole 240VAC
Coil S2 Open Type 1NO (>&<) 1NC Aux

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	3RT2036-1AP60
• of the supplied circuit-breakers	3RV2032-4VA15
• of the supplied busbar adapter	8US1261-6MT10
• of the supplied link module	3RA2931-1AA00
General technical data	
size of the circuit-breaker	S2
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
type of assignment	2
Weight	2.85 kg
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	35 ... 45 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	41 A
operating power at AC-3	
• at 400 V rated value	22 000 W
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	220 V
• at 50 Hz rated value	176 ... 242 V
• at 60 Hz rated value	240 V
• at 60 Hz rated value	192 ... 264 V
apparent holding power of magnet coil at AC	16 VA
inductive power factor with the holding power of the coil	0.37
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
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 unit	585 A

UL/CSA ratings		
yielded mechanical performance [hp] - for single-phase AC motor - at 110/120 V rated value		3 hp
Short-circuit protection		
product function short circuit protection		Yes
design of the short-circuit trip		magnetic
conditional short-circuit current (I_q) at 400 V according to IEC 60947-4-1 rated value		150 000 A
Installation/ mounting/ dimensions		
mounting position		vertical
fastening method		for snapping onto 60 mm busbar systems
height		350 mm
width		55 mm
depth		208 mm
required spacing - for grounded parts - forwards - backwards - upwards - at the side - downwards - for live parts - forwards - backwards - upwards - downwards - at the side		0 mm 6 mm 50 mm 10 mm 10 mm 0 mm 6 mm 50 mm 10 mm 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 mm ² , 2x (1 ... 25 mm ²)
connectable conductor cross-section for main contacts finely stranded with core end processing		1 ... 35 mm ²
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
		Test Certificates
     Special Test Certificate		
Marine / Shipping		
     		
Marine / Shipping	other	Railway
		Dangerous goods
		Environment

[Confirmation](#)[Special Test Certificate](#)[Transport Information](#)[Environmental Confirmations](#)

Further information

Information on the packaging<https://support.industry.siemens.com/cs/ww/en/view/109813875>**Information- and Downloadcenter (Catalogs, Brochures,...)**<https://www.siemens.com/ic10>**Industry Mall (Online ordering system)**<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2155-4VD36-0AP6>**Cax online generator**<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2155-4VD36-0AP6>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4VD36-0AP6>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2155-4VD36-0AP6&lang=en**Characteristic: Tripping characteristics, I_t, Let-through current**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4VD36-0AP6/char>**Further characteristics (e.g. electrical endurance, switching frequency)**<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2155-4VD36-0AP6&objecttype=14&gridview=view1>

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