

Combination Starter Non Reversing Fast Bus FLA Range 28-36A 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	3RT2035-1AP60
• of the supplied circuit-breakers	3RV2032-4PA15
• 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 coordination	2
Weight	2.82 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	28 ... 36 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	35 A
operating power at AC-3	
• at 400 V rated value	18 500 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	468 A

UL/CSA ratings			
yielded mechanical performance [hp]			
• for single-phase AC motor — at 110/120 V rated value		3 hp	
• for 3-phase AC motor — at 200/208 V rated value		10 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		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		0 mm	
— backwards		6 mm	
— upwards		50 mm	
— at the side		10 mm	
— downwards		10 mm	
• for live parts			
— forwards		0 mm	
— backwards		6 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 hazardous locations	Test Certificates
 EG-Konf.		 UL	
			 ATEX
Special Test Certificate			
Maritime application			
 ABS	 BUREAU VERITAS	 DNV	 LRS
			 PRS
			 RINA
Maritime application	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 for data generation and storage**<https://support.industry.siemens.com/cs/ww/en/view/109995012>**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=3RA2155-4PD35-0AP6>**Cax online generator**<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2155-4PD35-0AP6>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4PD35-0AP6>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2155-4PD35-0AP6&lang=en**Characteristic: Tripping characteristics, I²t, Let-through current**<https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4PD35-0AP6/char>**Further characteristics (e.g. electrical endurance, switching frequency)**<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2155-4PD35-0AP6&objecttype=14&gridview=view1>

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