## **SIEMENS**

## Data sheet 3RA2155-4PD35-0NB3

	Combination Starter Non Reversing Fast Bus FLA Range 28-36A 3 Pole 24VDC 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	direct starter
of the supplied contactor	3RT2035-1NB30
of the supplied circuit-breakers	3RV2032-4PA15
of the supplied busbar adapter	8US1261-6MT10
of the supplied link module	3RA2931-1AA00
General technical data	010 2001 17 100
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
Ambient conditions	
ambient temperature	20 160 °C
during operation	-20 +60 °C
during storage	-50 +80 °C -55 +80 °C
during transport  Main circuit	-55 +80 C
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	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
• 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 auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
Protective and monitoring functions	
trip class	CLASS 10

response value current of instantaneous short-circuit trip unit UL/CSA ratings  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  Short-circuit protection	468 A  3 hp  10 hp
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  Short-circuit protection	
for single-phase AC motor         — at 110/120 V rated value     for 3-phase AC motor         — at 200/208 V rated value  Short-circuit protection	
— at 110/120 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  Short-circuit protection	
for 3-phase AC motor         — at 200/208 V rated value  Short-circuit protection	
— at 200/208 V rated value Short-circuit protection	10 hp
Short-circuit protection	10 hp
product function about 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	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	73 %
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
Certificates/ approvals	
General Product Approval	For use in hazard- ous locations Declaration of Conformity











**Test Certificates** 

Marine / Shipping

Special Test Certificate











Marine / Shipping other Railway Dangerous Good





Confirmation Vibration and Shock

**Transport Information** 

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## 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=3RA2155-4PD35-0NB3

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2155-4PD35-0NB3

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4PD35-0NB3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2155-4PD35-0NB3&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2155-4PD35-0NB3/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2155-4PD35-0NB3&objecttype=14&gridview=view1

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