

LOAD FEEDER FUSELESS DIRECT STARTING,AC 400V,SIZE S0
1.8...2.5 A, AC 230 V, 50 HZ, SCREW CONNECTION ON 60 MM
BUSBAR ADAPTER TYPE OF COORDIN. 2, IQ = 50 KA (ALSO
COMPATIBLE WITH TYPE OF COORDINATION 2)

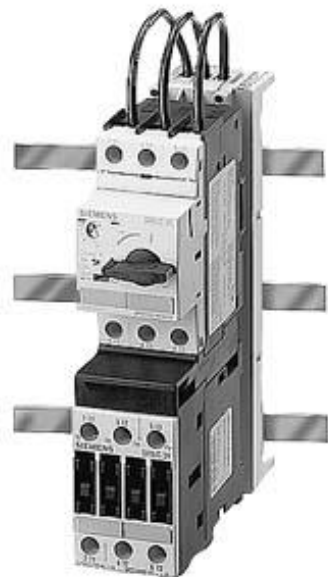


Figure similar

product brandname	SIRIUS
Product designation	non-fused load feeder
Design of the product	direct starter
Manufacturer's article number	
• of the supplied contactor	3RT1024-1AP00
• of the supplied circuit-breakers	3RV1021-1CA10
• of the supplied busbar adapter	8US1251-5DM07
• of the supplied link module	3RA1921-1AA00

General technical data	
Size of load feeder	S0
Insulation voltage	
• rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
Protection class IP	
• on the front	IP20
Shock resistance	12.5g

Mechanical service life (switching cycles)	
• of contactor typical	10 000 000
Type of assignment	2
Equipment marking	
• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	Q
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

Ambient conditions	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-55 ... +80 °C

Main circuit	
Number of poles for main current circuit	3
Design of the switching contact	electromechanical
Adjustable pick-up value current of the current-dependent overload release	1.8 ... 2.5 A
Type of the motor protection	bimetal
Operating voltage	
• at AC-3 rated value maximum	400 V
Operating current	
• at AC-3	
— at 400 V rated value	1.9 A
Operating power	
• at AC-3	
— at 400 V rated value	0.75 kW
No-load switching frequency	15 1/s

Control circuit/ Control	
Type of voltage of the control supply voltage	AC
Control supply voltage 1 at AC	
• at 50 Hz rated value	230 V
Control supply voltage frequency 1 rated value	50 Hz

Auxiliary circuit	
Product extension Auxiliary switch	Yes
Number of NC contacts	
• for auxiliary contacts	0
Number of NO contacts	
• for auxiliary contacts	0
Number of CO contacts	

- for auxiliary contacts

0

Protective and monitoring functions

Maximum short-circuit current breaking capacity (Icu)

- at 400 V rated value

50 kA

Short-circuit protection

Product function

- Short circuit protection

Yes

Design of short-circuit protection

circuit-breakers

Installation/ mounting/ dimensions

Mounting position

with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back

Mounting type

for snapping onto 60 mm busbar systems

Height

183 mm

Width

45 mm

Depth

148 mm

Required spacing

- with side-by-side mounting
 - at the side
- for grounded parts
 - forwards
 - Backwards
 - upwards
 - at the side
- for live parts
 - forwards
 - Backwards
 - downwards
 - at the side

0 mm

10 mm

0 mm

30 mm

9 mm

10 mm

9 mm

0 mm

30 mm

Connections/Terminals

Type of electrical connection

- for main current circuit

screw-type terminals

Type of connectable conductor cross-sections

- for main contacts
 - solid
 - stranded
 - finely stranded with core end processing
- at AWG conductors for main contacts

1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (14 ... 10)

Connectable conductor cross-section for main contacts

- single or multi-stranded
- finely stranded with core end processing

1 ... 6 mm²

1 ... 6 mm²

AWG number as coded connectable conductor cross section	
• for main contacts	14 ... 10

Communication/ Protocol	
Product function Bus communication	No
Protocol	
• is supported PROFIBUS DP protocol	No
• is supported PROFINET protocol	No
Protocol is supported	
• AS-interface protocol	No

Inputs/ Outputs	
Number of digital inputs	0

Certificates/approvals

General Product Approval	For use in hazardous locations	Declaration of Conformity	Shipping Approval		
 UL	 EAC	 ATEX	 IECEX	 EG-Konf.	 BUREAU VERITAS

Shipping Approval					other
 DNV	 GL	 LRS	 RINA	 RMRS	Umweltbestätigung

other
Bestätigungen

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA1120-1CD24-0AP0>

Cax online generator

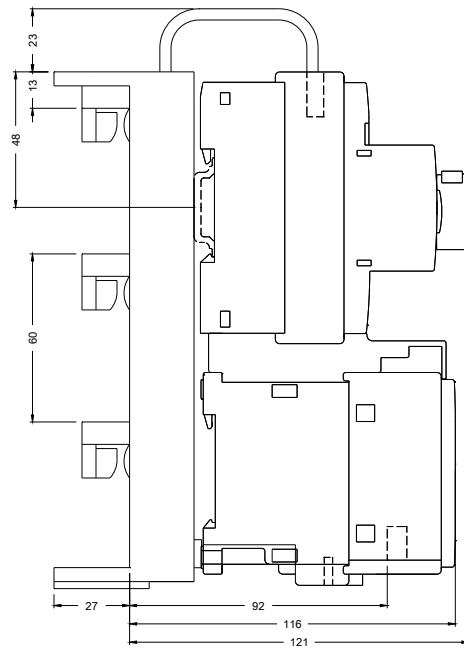
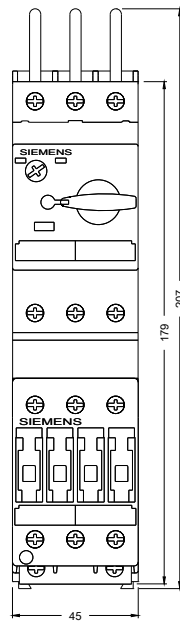
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA1120-1CD24-0AP0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA1120-1CD24-0AP0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA1120-1CD24-0AP0&lang=en



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10/19/2016