SIEMENS

Data sheet 3RA1110-1AA15-1BB4

Figure similar

Load feeder fuseless direct-on-line starting, 400 V AC Size S00 1.1-1.6 A, 24 V DC 1 NO (contactor), Screw terminal for installation on standard mounting rail Type of coordination 2, Iq = 50 kA !!! Phased-out product !!! Successor is SIRIUS 3RA2 Preferred successor type is >>3RA2110-1AA15-1BB4<<

product brand name	SIRIUS
product designation	non-fused load feeder
design of the product	direct starter
manufacturer's article number	
● of the supplied contactor	3RT1015-1BB41
● of the supplied circuit-breakers	3RV1011-1AA10
● of the supplied link module	3RA1911-1AA00
General technical data	
size of load feeder	S00
product extension auxiliary switch	Yes
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	9.8g
mechanical service life (operating cycles) of contactor typical	30 000 000
type of assignment	2
certificate of suitability	UL / CSA / CCC / GL / LRS / BV / DNV / PRS
reference code according to IEC 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 current response value current of the current-dependent overload release	1.1 ... 1.6 A
type of the motor protection	bimetal
operating voltage at AC-3 rated value maximum	400 V
operational current at AC-3 at 400 V rated value	1.5 A
operating power at AC-3	
● at 400 V rated value	0.55 kW
no-load switching frequency	15 1/s
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage 1	
● at DC rated value	24 V

Auxiliary circuit	
number of NO contacts for auxiliary contacts	1
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
fastening method	snap-on mounting
height	159 mm
width	45 mm
depth	75 mm
required spacing	
● with side-by-side mounting at the side	0 mm
● for grounded parts	
— forwards	10 mm
— backwards	0 mm
— upwards	20 mm
— at the side	9 mm
● for live parts	
— forwards	10 mm
— backwards	9 mm
— downwards	0 mm
— at the side	20 mm
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections	
● for main contacts	
— solid	0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)
— stranded	0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing	0.5 ... 2.5 mm², 2x (0.5 ... 2.5 mm²)
● at AWG cables for main contacts	2x (18 ... 14)
connectable conductor cross-section for main contacts	
● solid or stranded	0.5 ... 4 mm²
● stranded	0.5 ... 4 mm²
● finely stranded with core end processing	0.5 ... 2.5 mm²
AWG number as coded connectable conductor cross section for main contacts	18 ... 14
Communication/ Protocol	
protocol is supported	
● PROFIBUS DP protocol	No
● PROFINET protocol	No
product function bus communication	No
protocol is supported AS-Interface protocol	No
Inputs/ Outputs	
number of digital inputs	0
Certificates/ approvals	

General Product Approval	For use in hazard-ous locations	Declaration of Conformity

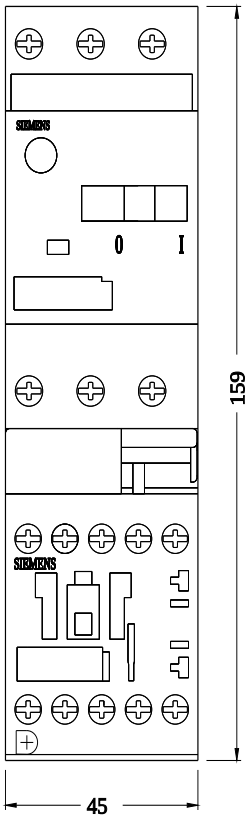
Confirmation

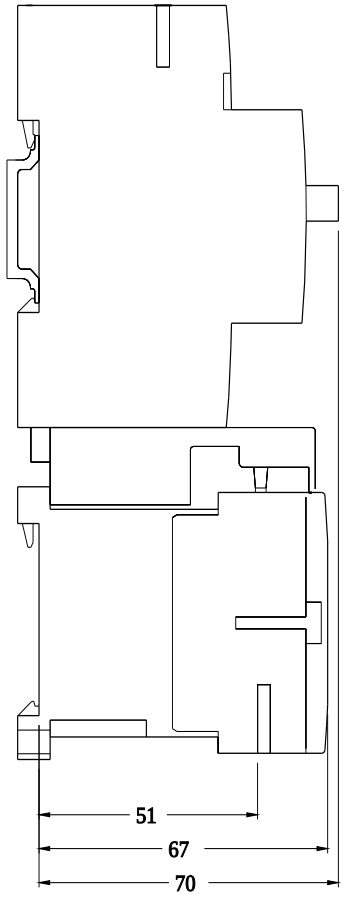
Marine / Shipping	other

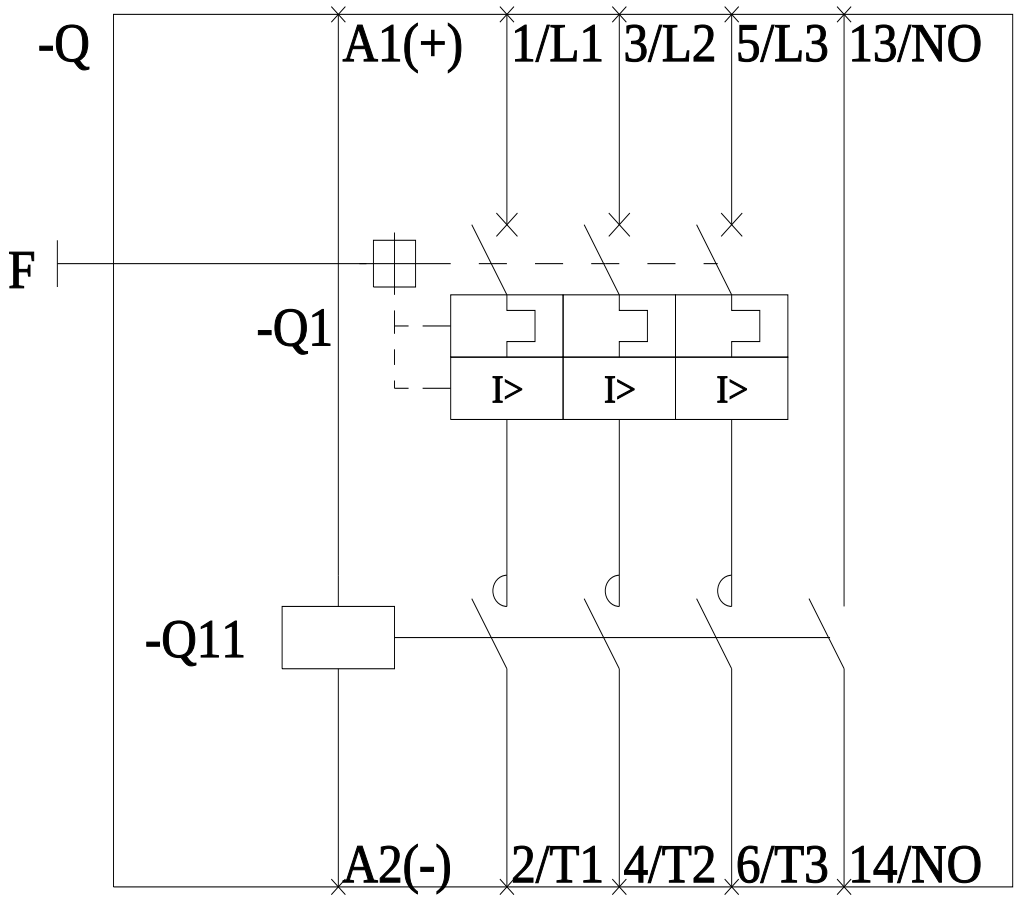
Confirmation

Further information

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=3RA1110-1AA15-1BB4
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA1110-1AA15-1BB4
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA1110-1AA15-1BB4
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA1110-1AA15-1BB4&lang=en
Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RA1110-1AA15-1BB4/char
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA1110-1AA15-1BB4&objecttype=14&gridview=view1







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