SIEMENS

Electric Automation
Automation specialists

Reference: 3RA1120-4AA25-0AG2

LOAD FEEDER FUSE LINE DIRECT START, 400 V AC, SIZE S0 11...16 A, 110 V AC 50/60 HZ, SCREW CONNECTION FOR TOP-HAT RAIL MOUNTING ASSIGN. TYPE 1, IQ = 50 KA

product brand name	SIRIUS
Product designation	non-fused load feeder
Design of the product	direct starter
Manufacturer's article number	
of the supplied contactor	3RT1026-1AP00
of the supplied circuit-breakers	3RV1021-4AA10
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	1
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	11 ... 16 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	15.5 A
Operating power	
at AC-3	
— at 400 V rated value	7.5 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	110 V
at 60 Hz rated value	110 V
Control supply voltage frequency 1	50 ... 60 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	snap-on fastening on 35 mm standard rail
Height	183 mm
Witd>	45 mm
Depth	96 mm
Required spacing	
with side-by-side mounting	
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— Backwards	0 mm
— upwards	30 mm
— at the side	9 mm
for live parts	
— forwards	10 mm
— Backwards	9 mm
— downwards	0 mm
— at the side	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	1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
— stranded	1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
— finely stranded with core end processing	1 ... 6 mm², 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
at AWG conductors for main contacts	2x (14 ... 10)
Connectable conductor cross-section for main contacts	
single or multi-stranded	1 ... 6 mm²
finely stranded with core end processing	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