

Reference: 3RA1220-4AB25-0AG2

LOAD FEEDER FUSE LINE REVERSING  
OPERATION, 400 V AC, SIZE S0, 11...16  
A, 110 V AC 50/60 HZ, SCREW  
CONNECTION ASSIGNMENT TYPE 1, IQ =  
50 KA

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General technical data:	
product brand name	SIRIUS
Product designation	non-fused load feeder
Design of the product	reversing starter
Size of load feeder	S0
Protection class IP on the front	IP20
Degree of pollution	3
Insulation voltage rated value	V 690
Installation altitude at height above sea level maximum	m 2 000
Ambient temperature	
during storage	°C -55 ... +80
during transport	°C 70 ... -20
during operation	°C -20 ... +70
Shock resistance	12.5g
Surge voltage resistance rated value	kV 6
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	Q
Equipment marking acc. to DIN EN 61346-2	Q
Type of assignment	1
Mechanical service life (switching cycles) of contactor typical	10 000 000

Manufacturer's article number		
of the supplied circuit-breakers		3RV10 21-4AA10
of the supplied contactor		3RT10 25-1AP00
of the supplied link module		3RA19 21-1AA00
of the supplied RH assembly kit		3RA19 23-1B
Design of the switching contact		electromechanical
Type of the motor protection		bimetal
Adjustable pick-up value current of the current-dependent overload release	A	11 ... 16
Communication/ Protocol:		
Product function Bus communication		No
Protocol is supported		
AS-interface protocol		No
PROFIBUS DP protocol		No
PROFINET protocol		No
Main circuit:		
Number of poles for main current circuit		3
Operating voltage at AC-3 rated value maximum	V	690
Operating current at AC-3 at 400 V rated value	A	15.5
Operating power at AC-3 at 400 V rated value	kW	7.5
No-load switching frequency	1/s	15
Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage frequency 1		
rated value	Hz	50
Initial rated value	Hz	50
Final rated value	Hz	60
Control supply voltage 1		
at AC		
— at 50 Hz rated value	V	110
— at 60 Hz rated value	V	110
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
Inputs/ Outputs:		
Number of digital inputs		0

Short-circuit:		
Product function Short circuit protection	Yes	
Design of short-circuit protection	circuit-breakers	
Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) at 400 V rated value	kA	50
Inputs/ Outputs:		
Mounting position	horizontal	
Mounting type	snap-on fastening on 35 mm standard rail	
Width	mm	100
Height	mm	220
Depth	mm	119
Required spacing		
with side-by-side mounting at the side	mm	0
for grounded parts		
— forwards	mm	10
— Backwards	mm	0
— upwards	mm	30
— at the side	mm	9
for live parts		
— forwards	mm	10
— Backwards	mm	9
— downwards	mm	0
— at the side	mm	30
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 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )	
— stranded	1 ... 6 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )	
— finely stranded with core end processing	1 ... 6 mm <sup>2</sup> , 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )	
at AWG conductors for main contacts	2x (14 ... 10)	
Certificate of suitability	UL / CSA / CCC / GL / LRS / BV / DNV / PRS	
Certificates/ approvals:		

General Product Approval	For use in hazardous locations	Declaration of Conformity	Shipping Approval
Shipping Approval			other
			Umweltbestätigung
other			
Bestätigungen			