

Reference: 3RA1220-1KC25-0BB4

LOAD FEEDER FUSELESS REVERSING  
DUTY, AC 400 V, SIZES0, 9...12.5A, DC  
24V, SCREW CONNECTION, TYPE OF  
COORDIN. 1, IQ = 50 KA ON 40 MM  
BUSBAR ADAPTER

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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	0 ... 0
during operation	°C	0 ... 0
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 21-1KA10
of the supplied contactor		3RT10 25-1BB40
of the supplied RS assembly kit		3RA19 23-1C
of the supplied link module		3RA19 21-1BA00
Design of the switching contact		electromechanical
Type of the motor protection		bimetal
Adjustable pick-up value current of the current-dependent overload release	A	9 ... 12.5
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	11.5
Operating power at AC-3 at 400 V rated value	kW	5.5
No-load switching frequency	1/s	15
Control circuit/ Control:		
Type of voltage of the control supply voltage		DC
Control supply voltage 1		
at DC		
— rated value	V	24
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	for snapping onto 40 mm busbar systems		
Width	mm	100	
Height	mm	208	
Depth	mm	154	
Busbar center-to-center spacing	mm	40	
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			