

Reference: 3RA1220-1FC24-0AP0

LOAD FEEDER FUSELESS REVERSING  
DUTY, AC 400 V, SIZES0, 3.5...5 A, AC  
230V 50 HZ, SCREW CONNECTION, TYPE  
OF COORDIN. 2, 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 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	2
Mechanical service life (switching cycles) of contactor typical	10 000 000

Manufacturer's article number		
of the supplied circuit-breakers		3RV10 21-1FA10
of the supplied contactor		3RT10 24-1AP00
of the supplied RS assembly kit		3RA19 23-1C
of the supplied link module		3RA19 21-1AA00
Design of the switching contact		electromechanical
Type of the motor protection		bimetal
Adjustable pick-up value current of the current-dependent overload release	A	3.5 ... 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	3.6
Operating power at AC-3 at 400 V rated value	kW	1.5
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
Control supply voltage 1		
at AC		
— at 50 Hz rated value	V	230
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		
Witd>	mm	100		
Height	mm	208		
Depth	mm	148		
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				

