

Reference: 3RA1220-1FB24-0AP0

LOAD FEEDER FUSELESS REVERSING
DUTY, AC 400 V, SIZES0, 3.5...5 A, AC
230V 60 HZ, SCREW CONNECTION, TYPE
OF COORDIN. 2, 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	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 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	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 (Icu) at 400 V rated value	kA	50		
Inputs/ Outputs:				
Mounting position	horizontal			
Mounting type	snap-on fastening on 35 mm standard rail			
Witd>	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 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)			
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				