

Reference: 3RA1220-1DC24-0BB4

LOAD FEEDER FUSELESS REVERSING
DUTY, AC 400 V, SIZE S0, 2.2...3.2 A, DC
24 V 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 21-1DA10
of the supplied contactor		3RT10 24-1BB40
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	2.2 ... 3.2
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	2.7
Operating power at AC-3 at 400 V rated value	kW	1.1
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 _{cu}) 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 ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)		
— stranded	1 ... 6 mm ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)		
— finely stranded with core end processing	1 ... 6 mm ² , 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)		
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
other			Umweltbestätigung
Bestätigungen			