



Automation specialists

Reference: 3RA1220-4AB25-0BB4

LOAD FEEDER FUSELESS REVERSING DUTY, AC 400 V, SIZESO, 11...16 A, DC 24V SCREW CONNECTION, TYPE OF COORDIN. 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	50
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 7020
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 25-1BB40
of the supplied link module		3RA19 21-1BA00
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	А	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	А	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		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 (Icu) at 400 V rated value	kA	50

Witd> nm 100 Height nm 220 Depth mm 125 Required spacing mm 0 with side-by-side mounting at the side mm 0 or grounded parts mm 10 = forwards mm 10 = ackwards mm 30 = upwards mm 30 = at the side mm 9 = forwards mm 10 = ackwards mm 30 = at the side mm 9 = downwards mm 10 = downwards mm 30 = downwards mm 30 Connections/ Terminals: screw-type terminals Stype of connectable conductor cross-sections screw-type terminals for main contacts	Mounting position	horizontal
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Depth mm 125 Required spacing mm 125 Required spacing mm 0 For grounded parts For grounded parts For grounded parts For wards For art the side For wards For	Witd>	mm 100
Required spacing mith side by-side mounting at the side mm 0 for grounded parts for grounded parts for wards mm 10 Backwards mm 30 at the side mm 9 for live parts for wards mm 10 Backwards mm 0 at the side mm 30 connections/ Terminals: Type of electrical connection for main current circuit for main contacts solid stranded mm 2 stranded mm 2 at WG conductors for main contacts certificate of suitability General Product Approval stranded mm mu shipping Approval mu stranded	Height	mm 220
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