SIEMENS



Reference: 3RA1220-1FC24-0AP0

LOAD FEEDER FUSELESS REVERSING DUTY, AC 400 V, SIZESO, 3.5...5 A, AC 230V 50 HZ, SCREW CONNECTION, TYPE OF COORDIN. 2, IQ = 50 KA ON 40 MM BUSBAR ADAPTER

Buy it at Electric Automation Network



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 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	2
Mechanical service life (switching cycles) of contactor typical	10 000 000

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 Communication/ Protocol: Product function Bus communication No Protocol is supported AS-interface protocol No No PROFIBUS DP 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	Manufacturer's article number		
of the supplied contactor of the supplied R5 assembly kit of the supplied link module Design of the switching contact Quesign of the switching contact Product function Bus communication Protocol: Product function Bus communication Protocol is supported A5 interface protocol No PROFIBUS DP protocol Main circuit: Number of poles for main current circuit No-perating current at AC-3 at 400 V rated value Querating current at AC-3 at 400 V rated value No-load switching frequency Type of voltage of the control supply voltage AC Control supply voltage I at AC — at 50 Hz rated value Auxiliary circuit: Number of NC contacts for auxiliary contacts Number of Occontacts for auxiliary contacts Number of digital inputs Number of contacts for auxiliary contacts Number of digital inputs Number of contacts for auxiliary contacts Number of digital inputs Number of contacts for auxiliary contacts Number of digital inputs Number of contacts for auxiliary contacts Number of digital inputs Number of contacts for auxiliary contacts Number of contacts	of the supplied circuit-breakers		3RV10 21-1FA10
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Type of the motor protection bimetal Adjustable pick-up value current of the current-dependent overload release Communication/ Protocol: Product function Bus communication No Protocol is supported AS-interface protocol No PROFIBUS DP 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 W 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 frequency 1 rated value V 230 Auxiliary circuit: Product extension Auxiliary switch Yes Number of NO contacts for auxiliary contacts 0 Number of OC contacts for auxiliary contacts 0 Inputs/ Outputs: Number of digital inputs 0 Short-circuit: Product function Short circuit protection Yes	of the supplied link module		3RA19 21-1AA00
Adjustable pick-up value current of the current-dependent overload release Communication/ Protocol: Product function Bus communication No Protocol is supported AS-interface protocol PROFIBUS OP 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 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 Auxillary circuit: Product extension Auxillary switch Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Unumber of CO contacts for auxiliary contacts Number of digital inputs Obstructional for incuit protection Yes Product function Short circuit protection Yes	Design of the switching contact		electromechanical
dependent overload release Communication/ Protocol: Product function Bus communication No Protocol is supported AS-interface protocol PROFIBUS DP protocol PROFINET protocol Mo 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 A AC 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 Control supply voltage frequency 1 rated value Hz 50 Control supply voltage I at AC — at 50 Hz rated value Availiary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts O unmber of CO contacts for auxiliary contacts O linputs/ Number of digital inputs O Short-circuit: Product function Short circuit protection Yes Product function Short circuit protection Yes	Type of the motor protection		bimetal
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PROFIBUS DP protocol PROFINET protocol 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 Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value V 230 Auxillary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of GO contacts for auxiliary contacts Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	Protocol is supported		
PROFINET protocol Main circuit: Number of poles for main current circuit 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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of GO contacts for auxiliary contacts Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	AS-interface protocol		No
Main circuit: Number of poles for main current circuit 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 I/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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of GO contacts for auxiliary contacts Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	PROFIBUS DP protocol		No
Number of poles for main current circuit 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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of GO contacts for auxiliary contacts Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	PROFINET protocol		No
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 CO contacts for auxiliary contacts 0 Inputs/ Outputs: Number of digital inputs 0 Short-circuit: Product function Short circuit protection Yes	Main circuit:		
Operating current at AC-3 at 400 V rated value	Number of poles for main current circuit		3
No-load switching frequency 1/s 15 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 CO contacts for auxiliary contacts 0 Inputs/ Outputs: Number of digital inputs 0 Short-circuit: Product function Short circuit protection Yes	Operating voltage at AC-3 rated value maximum	V	690
No-load switching frequency L/s 15 Control circuit/ Control: Type of voltage of the control supply voltage 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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	Operating current at AC-3 at 400 V rated value	А	3.6
Type of voltage of the control supply voltage 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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function Short circuit protection AC AC AC AC V 230 Auxiliary circuit: O Number of NC contacts for auxiliary contacts O Number of NO contacts for auxiliary contacts O Inputs/ Outputs: Product function Short circuit protection Yes	Operating power at AC-3 at 400 V rated value	kW	1.5
Type of voltage of the control supply voltage 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 Number of NC contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function Short circuit protection AC Hz 50 AC AC AC Hz 50 Control supply voltage frequency 1 Hz 50 V 230 Auxiliary circuit: 0 Number of NC contacts for auxiliary contacts 0 0 Short-circuit:	No-load switching frequency	1/s	15
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	Control circuit/ Control:		
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	Type of voltage of the control supply voltage		AC
Control supply voltage 1 at AC — at 50 Hz rated value V 230 Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of GO contacts for auxiliary contacts Number of digital inputs Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	Control supply voltage frequency 1		
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— 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	Control supply voltage 1		
Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of digital inputs Number of digital inputs Product function Short circuit protection Yes	at AC		
Product extension Auxiliary switch Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	— at 50 Hz rated value	V	230
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: 0 Number of digital inputs 0 Short-circuit: Yes	Auxiliary circuit:		
Number of NO contacts for auxiliary contacts 0 Number of CO contacts for auxiliary contacts 0 Inputs/ Outputs: 0 Number of digital inputs 0 Short-circuit: Yes	Product extension Auxiliary switch		Yes
Number of CO contacts for auxiliary contacts Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function Short circuit protection O Yes	Number of NC contacts for auxiliary contacts		0
Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function Short circuit protection Yes	Number of NO contacts for auxiliary contacts		0
Number of digital inputs 0 Short-circuit: Product function Short circuit protection Yes	Number of CO contacts for auxiliary contacts		0
Short-circuit: Product function Short circuit protection Yes	Inputs/ Outputs:		
Product function Short circuit protection Yes	Number of digital inputs		0
	Short-circuit:		
Design of short-circuit protection circuit-breakers	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	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 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 Declaration hazardous of Shipping Approval locations Conformity		
Shipping Approval	other		
	Umweltbestätigung		
other			
Bestätigungen			