Product data sheet



LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S0, 14. . . 20A, DC 24V SPRING-LOADED TERMINAL FOR RAIL-MOUNTING, TYPE OF COORDINATION 1, IQ = 150KA 1NO+1NC (CONTACTOR)

General technical data:		
Product brand name		SIRIUS
product designation		non-fused load feeders 3RA2
Design of the product		direct starter
Size of the load feeder		S0
Protection class IP / on the front		IP20
Degree of pollution		3
Insulation voltage / rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
during transport	°C	-55 80
during storage	°C	-55 80
during operating	°C	-20 60
Impulse voltage resistance / rated value	kV	6
Active power loss / per conductor / typical	W	4.3
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		Q
according to DIN EN 61346-2		Q
Type of assignement		2

10,000,000	Manufacturer article number • of the circuit-breakers included in the scope of supply • of the contactor included in the scope of supply • of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current	A	3RV2021-4BA20 3RT2026-2BB40 3RA2921-2AA00 mechanical bimetal
of the circuit-breakers included in the scope of supply of the contactor included in the scope of supply of the link module included in the scope of supply of the link module included in the scope of supply of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported	of the circuit-breakers included in the scope of supply of the contactor included in the scope of supply of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current	A	3RT2026-2BB40 3RA2921-2AA00 mechanical bimetal
of the contactor included in the scope of supply of the link module included in the scope of supply 3RA2921-2AA00 Design of the switching contact mechanical bimetal Adjustable response current of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported - AS interface protocol - PROFIBUS DP protocol - PROFINET protocol Product extension / function module for communication Main circuit: Number of NC contacts / for main current circuit Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current at AC-1 / at 400 V / rated value - at AC-2 / at 400 V / rated value - at AC-3 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-4 / at 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at AC-6 / pat 400 V / rated value - at	of the contactor included in the scope of supply of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current	A	3RT2026-2BB40 3RA2921-2AA00 mechanical bimetal
• of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current • of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported • As interface protocol • PROFIBUS DP protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication No Main circuit: Number of NC contacts / for main current circuit Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value	• of the link module included in the scope of supply Design of the switching contact Type of the motor protection Adjustable response current	A	3RA2921-2AA00 mechanical bimetal
Design of the switching contact Type of the motor protection Adjustable response current of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported As interface protocol PROFIBUS DP protocol PROFINET protocol Product extension / function module for communication No Main circuit: Number of NC contacts / for main contacts Unumber of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum at AC-1 / at 400 V / rated value A 15.5 At AC-3 / at 400 V / rated value A 15.5 Service power	Design of the switching contact Type of the motor protection Adjustable response current	A	mechanical bimetal
Type of the motor protection Adjustable response current of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported AS interface protocol PROFIBUS DP protocol PROFINET protocol Product extension / function module for communication No Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current at AC-1 / at 400 V / rated value A 15.5 Service power	Type of the motor protection Adjustable response current	A	bimetal
Adjustable response current of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported • AS interface protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication No Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating current • at AC-1 / at 400 V / rated value / maximum • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value	Adjustable response current	A	
of the current-dependent overload release A 14 20 Communication: Product function / bus-communication Protocol / will be supported • AS interface protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication No Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-7 / at 400 V / rated value • at AC-8 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value		A	14 20
Product function / bus-communication Protocol / will be supported • AS interface protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication Main circuit: Number of POC contacts / for main current circuit Number of NC contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value	of the current-dependent overload release	A	14 20
Product function / bus-communication Protocol / will be supported • AS interface protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value			
Protocol / will be supported • AS interface protocol • PROFIBUS DP protocol • PROFINET protocol Product extension / function module for communication Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-7 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value	Communication:		
AS interface protocol PROFIBUS DP protocol Product extension / function module for communication Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-7 / at 400 V / rated value • at AC-8 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value	Product function / bus-communication		No
PROFIBUS DP protocol Product extension / function module for communication No Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 Service power	Protocol / will be supported		
PROFINET protocol No Product extension / function module for communication Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-7 / at 400 V / rated value • at AC-8 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value	AS interface protocol		No
Product extension / function module for communication Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum V 690 Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-4 / at 400 V / rated value • at AC-5 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-6 / at 400 V / rated value • at AC-7 / at 400 V / rated value • at AC-8 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value • at AC-9 / at 400 V / rated value	PROFIBUS DP protocol		No
Main circuit: Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	PROFINET protocol		No
Number of poles / for main current circuit Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Product extension / function module for communication		No
Number of NC contacts / for main contacts Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Main circuit:		
Number of NO contacts / for main contacts Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Number of poles / for main current circuit		3
Operating voltage / at AC-3 / rated value / maximum Operating current • at AC-1 / at 400 V / rated value • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Number of NC contacts / for main contacts		0
Operating current • at AC-1 / at 400 V / rated value A 20 • at AC-2 / at 400 V / rated value A 15.5 • at AC-3 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Number of NO contacts / for main contacts		3
 at AC-1 / at 400 V / rated value at AC-2 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-4 / at 400 V / rated value A 15.5 A 15.5 A 15.5 Service power	Operating voltage / at AC-3 / rated value / maximum	V	690
• at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 • at AC-4 / at 400 V / rated value A 15.5 Service power	Operating current		
• at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value A 15.5 Service power A 15.5	• at AC-1 / at 400 V / rated value	Α	20
• at AC-4 / at 400 V / rated value A 15.5 Service power	• at AC-2 / at 400 V / rated value	Α	15.5
Service power	• at AC-3 / at 400 V / rated value	А	15.5
	• at AC-4 / at 400 V / rated value	А	15.5
• at AC-2 / at 400 V / rated value W 7,500	Service power		
	• at AC-2 / at 400 V / rated value	W	7,500
• at AC-3	• at AC-3		
• at 400 V / rated value W 7,500	• at 400 V / rated value	W	7,500
• at 500 V / rated value W 11,000	• at 500 V / rated value	W	11,000
	• at 690 V / rated value	W	15,000

• at AC-4 / at 400 V / rated value

• at AC-1 / according to IEC 60947-6-2 / maximum

• at AC-2 / according to IEC 60947-6-2 / maximum

Off-load operating frequency

Frequency of operation

W

1/h

1/h

1/h

7,500

1,500

1,000

1,000

- at AC-3 / according to IEC 60947-6-2 / maximum - at AC-4 / according to IEC 60947-6-2 / maximum Type of voltage / of the controlled supply voltage Control supply voltage frequency - 1 / rated value - 2 / 2 Auxiliary circuit: Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts - 1 Number of NC contacts / for auxiliary contacts - 1 Number of NC contacts / for auxiliary contacts - 1 Number of Oftic ontacts / for auxiliary contacts - 2 / 2 Inputs/ Outputs: Number of digital inputs - 0 Short-circuit: Product function / short circuit protection - 2 / 2 Easign of the short-circuit protection - 3 / 400 V / rated value - 4 / 500 V / rated value - 5 / 500 V / rated value - 6 / 500 V / rated value - 7 / 500 V / rated value - 6 / 500 V / rated value - 7 / 500 V / rated value - 8 / 500 V / rated value - 9 / 500 V / rated value - 1 / 500 V / rated value - 1 / 500 V / rated value - 2 / 500 V / rated value - 3 / 500 V / rated value - 4 / 500 V / rated value - 5 / 500 V / rated value - 6 / 500 V / rated value - 7 / 500 V / rated value - 7 / 500 V / rated value - 8 / 500 V / rated value - 9 / 500 V / rated value - 1 / 500 V / rated value - 1 / 500 V / rated value - 2 / 500 V / rated value - 3 / 500 V / rated value - 4 / 500 V / rated value - 5 / 500 V / rated value - 6 / 500 V / rated value - 7 / 500 V / rated value - 8 / 500 V / rated value - 9 / 500 V / rated value - 1 / 500 V / rated value - 2 / 500 V / rated value - 3 / 500 V / rated value - 4 / 500 V /			
Control circuit: Type of voltage / of the controlled supply voltage Control supply voltage frequency - 1 / rated value	• at AC-3 / according to IEC 60947-6-2 / maximum	1/h	1,000
Type of voltage / of the controlled supply voltage Control supply voltage frequency - 1 / rated value - 1 / rated value - 1 / rated value - 1 / rot DC / rated value - 1 / rot DC / rated value - 1 / rot DC / rated value - 2 / voltage / rot the solenoid / for DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot volt	• at AC-4 / according to IEC 60947-6-2 / maximum	1/h	300
Type of voltage / of the controlled supply voltage Control supply voltage frequency - 1 / rated value - 1 / rated value - 1 / rated value - 1 / rot DC / rated value - 1 / rot DC / rated value - 1 / rot DC / rated value - 2 / voltage / rot the solenoid / for DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot the solenoid / rot DC - 2 / voltage / rot volt	One (and nimeral)		
Control supply voltage frequency			
1			DC
Control supply voltage / 1 • for DC / rated value			
+ for DC / rated value V 24 Holding power / of the solenoid / for DC W 5.9 Auxiliary circuit: Product extension / auxiliary switch Yes Number of NC contacts / for auxiliary contacts 1 1 Number of NC contacts / for auxiliary contacts 1 1 Number of change-over switches / for auxiliary contacts 0 0 Inputs/ Outputs: Number of digital inputs 0 0 Short-circuit: Product function / short circuit protection	• 1 / rated value	Hz —	0
Mariang power / of the solenoid / for DC	Control supply voltage / 1		
Auxiliary circuit: Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Inputs/ Outputs: Number of digital inputs O Short-circuit: Product function / short circuit protection Design of the short-circuit protection Breaking capacity limit short-circuit current (lcu) - at 400 V / rated value - at 690 V / rate	• for DC / rated value	V	24
Product extension / auxiliary switch Yes Number of NC contacts / for auxiliary contacts 1 Number of NO contacts / for auxiliary contacts 1 Number of change-over switches / for auxiliary contacts 0 Inputts/ Outputs: Vos Number of digital inputs 0 Short-circuit: Product function / short circuit protection Yes Design of the short-circuit protection Circuit-breakers Breaking capacity limit short-circuit current (Icu) A 25,000 • at 400 V / rated value A 5,000 • at 690 V / rated value A 2,000 Installation/mounting/dimensions: Strew and snap-on mounting onto 35 mm standard mounting rail Width mm 45 Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly mm 10 • backwards mm 30 • downwards mm 30 • clowards mm 30 • clowards mm 30	Holding power / of the solenoid / for DC	W	5.9
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Inputs / Outputs: Number of digital inputs Short-circuit: Product function / short circuit protection Design of the short-circuit protection Breaking capacity limit short-circuit current (Icu) - at 400 V / rated value - at 690 V / rated value - at 690 V / rated value Number of digital inputs Installation/mounting/dimensions: Built in orientation Type of mounting Width Height Depth Distance, to be maintained, to the ranks assembly - forwards - upwards - upwards - downwards - downwards - downwards - sidewards - mm 30 - mm 30 - mill of the sidewards - mm 30 -	Auxiliary circuit:		
Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts	Product extension / auxiliary switch		Yes
Number of change-over switches / for auxiliary contacts Inputs / Outputs:	Number of NC contacts / for auxiliary contacts		1
Inputs/ Outputs: Number of digital inputs Product function / short circuit protection Yes	Number of NO contacts / for auxiliary contacts		1
Number of digital inputs 0 Short-circuit: Product function / short circuit protection Yes Design of the short-circuit protection circuit-breakers Breaking capacity limit short-circuit current (Icu)	Number of change-over switches / for auxiliary contacts	_	0
Number of digital inputs 0 Short-circuit: Product function / short circuit protection Yes Design of the short-circuit protection circuit-breakers Breaking capacity limit short-circuit current (Icu)	Inputs/ Outputs:		
Product function / short circuit protection Yes Design of the short-circuit protection circuit-breakers Breaking capacity limit short-circuit current (Icu) at 400 V / rated value at 500 V / rated value at 690 V / rated value A 2,000 Installation/mounting/dimensions: Vertical Built in orientation vertical Type of mounting screw and snap-on mounting onto 35 mm standard mounting rail Width mm Height mm Distance, to be maintained, to the ranks assembly • forwards mm • backwards mm 0 • upwards mm 30 • downwards mm 30 • sidewards mm 0 • sidewards mm 0 • sidewards mm 0			0
Product function / short circuit protection Yes Design of the short-circuit protection circuit-breakers Breaking capacity limit short-circuit current (Icu) at 400 V / rated value at 500 V / rated value at 690 V / rated value A 2,000 Installation/mounting/dimensions: vertical Built in orientation vertical Type of mounting screw and snap-on mounting onto 35 mm standard mounting rail Width mm Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly mm 0	Short-circuit:		
Breaking capacity limit short-circuit current (Icu) • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Built in orientation Type of mounting Width Height Depth Distance, to be maintained, to the ranks assembly • backwards • upwards • downwards • didwards • didwards • didwards • sidewards • didwards • didwards • didwards • didwards • didwards • didwards • at 400 V / rated value A 25,000 A 25,000 A 2,000 Vertical Vertical Screw and snap-on mounting onto 35 mm standard mounting rail Midth mm 45 Forwards mm 106.9 The company of the ranks assembly mm 30	Product function / short circuit protection		Yes
 at 400 V / rated value at 500 V / rated value at 690 V / rated value at 690 V / rated value A 2,000 Installation/mounting/dimensions: Built in orientation vertical Type of mounting screw and snap-on mounting onto 35 mm standard mounting rail Width mm 45 Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly • forwards mm 10 • backwards mm 0 • upwards mm 30 • downwards mm 30 • sidewards mm 0	Design of the short-circuit protection	_	circuit-breakers
at 500 V / rated value A 2,000 Installation/mounting/dimensions: Built in orientation Type of mounting Width Mm 45 Height Depth Distance, to be maintained, to the ranks assembly • forwards • backwards • downwards • downwards • sidewards • sidewards • at 500 V / rated value A 2,000 Vertical vertical screw and snap-on mounting onto 35 mm standard mounting rail vertical pertical vertical pertical vertical pertical pertical vertical pertical pertica	Breaking capacity limit short-circuit current (Icu)		
Installation/mounting/dimensions: Built in orientation vertical screw and snap-on mounting onto 35 mm standard mounting rail Width mm 45 Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • downwards • sidewards • sidewards • sidewards • sidewards • mm 30 • mm 0	• at 400 V / rated value	Α	25,000
Installation/mounting/dimensions: Built in orientation vertical screw and snap-on mounting onto 35 mm standard mounting rail Width mm 45 Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • downwards • sidewards • sidewards • sidewards • sidewards • mm 30 • mm 0	• at 500 V / rated value	Α	5,000
Built in orientationverticalType of mountingscrew and snap-on mounting onto 35 mm standard mounting railWidthmm45Heightmm242.6Depthmm106.9Distance, to be maintained, to the ranks assemblymm10• forwardsmm0• backwardsmm30• upwardsmm30• downwardsmm30• sidewardsmm0	• at 690 V / rated value	Α	
Built in orientationverticalType of mountingscrew and snap-on mounting onto 35 mm standard mounting railWidthmm45Heightmm242.6Depthmm106.9Distance, to be maintained, to the ranks assemblymm10• forwardsmm0• backwardsmm30• upwardsmm30• downwardsmm30• sidewardsmm0	Installation/mounting/dimensions:		
Type of mounting Width mm 45 Height mm 242.6 Depth Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • sidewards • sidewards • sidewards • sidewards • sidewards • sidewards mm 0 screw and snap-on mounting onto 35 mm standard mounting rail ### 45 ### 45 ### 45 ### 106.9 ### 10 ### 10 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30 ### 30			vertical
Height mm 242.6 Depth mm 106.9 Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • sidewards • sidewards • mm 30 mm 30 mm 30 mm 30	Type of mounting		
Depth mm 106.9 Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • sidewards • sidewards • mm 0 mm 30 mm 0	Width	mm	45
Distance, to be maintained, to the ranks assembly • forwards • backwards • upwards • downwards • sidewards • mm 30 mm 30 mm 0	Height	mm	242.6
• forwards mm 10 • backwards mm 0 • upwards mm 30 • downwards mm 30 • sidewards mm 0	Depth	mm	106.9
 backwards upwards downwards sidewards mm 30 mm 30 mm 0 	Distance, to be maintained, to the ranks assembly		
• upwards mm 30 • downwards mm 30 • sidewards mm 0	• forwards	mm	10
• downwards mm 30 • sidewards mm 0	backwards	mm	0
• downwards mm 30 • sidewards mm 0	• upwards	mm	30
• sidewards mm 0		mm	
	Distance, to be maintained, to earthed part		

• forwards	mm	10
• backwards	mm	0
• upwards	mm	30
• downwards	mm	10
• sidewards	mm	9
Distance, to be maintained, conductive elements		
• forwards	mm	10
• backwards	mm	0
• upwards	mm	30
• downwards	mm	10
• sidewards	mm	9

Connections:	
Design of the electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control current circuit	spring-loaded terminals
Type of the connectable conductor cross-section	
for main contacts	
• solid	2x (1 10 mm²)
• stranded	2x (1.0 10 mm2)
• finely stranded	
 with conductor end processing 	2x (1 6 mm²)
 without conductor final cutting 	2x (1 6 mm²)
• for AWG conductors / for main contacts	2x (18 8)
for auxiliary contacts	
• solid	2x (0.5 2.5 mm²)
finely stranded	
 with conductor end processing 	2x (0.5 1.5 mm²)
 without conductor final cutting 	2x (0.5 1.5 mm²)
• for AWG conductors / for auxiliary contacts	2x (20 14)

Certificates/approvals:	
Verification of suitability	CE/UL/CSA/CCC
Varification of suitability / ATEX	No

General Product Approval

For use in hazardous locations

Test Certificates

ROSTEST



 $\frac{\mathsf{DEKRA}\;\mathsf{EXAM},}{\mathsf{DMT}}$

Manufacturer

Shipping Approval









Manufacturer other

Safety:		
B10 value / with high demand rate		
according to SN 31920		1,000,000
Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	150
Proportion of dangerous failures		
 with low demand rate / according to SN 31920 	%	40
with high demand rate / according to SN 31920	%	75
T1 value / for proof test interval or service life		
according to IEC 61508	а	10
Protection against electrical shock		finger-safe

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

 $\underline{\text{http://www.siemens.com/industrial-controls/mall}}$

CAx-Online-Generator

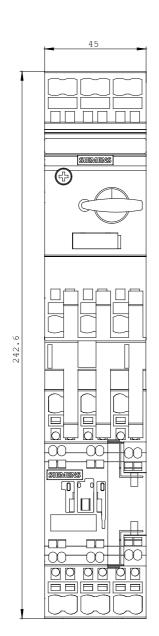
http://www.siemens.com/cax

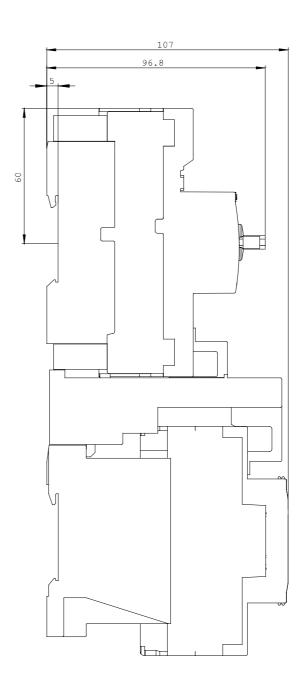
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

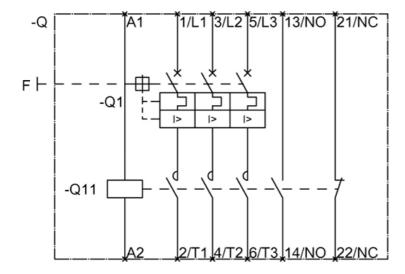
http://support.automation.siemens.com/WW/view/en/3RA2120-4BE26-0BB4/all

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2120-4BE26-0BB4







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