SIEMENS

Data sheet

3RA2220-1GH24-0AP0

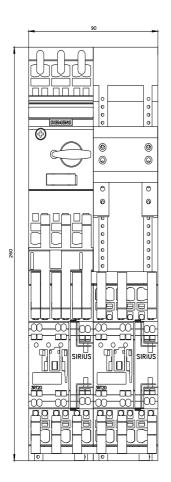


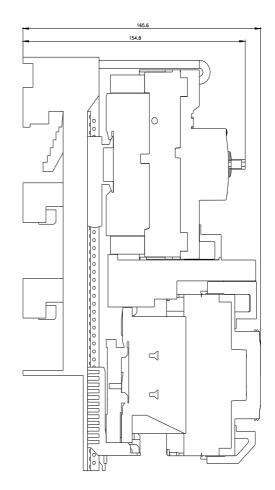
Load feeder fuseless, Reversing duty 400 V AC, Size S0 4.50...6.30 A 230 V AC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

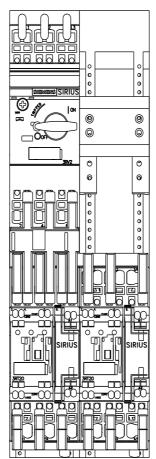
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product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
product type designation	3RA22
manufacturer's article number	
 of the supplied contactor 	<u>3RT2024-2AP00</u>
 of the supplied circuit-breakers 	<u>3RV2021-1GA20</u>
 of the supplied RS assembly kit 	<u>3RA2923-1DB2</u>
 of the supplied link module 	<u>3RA2921-2AA00</u>
General technical data	
size of the circuit-breaker	S0
size of load feeder	S0
power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	2.7 W
 without load current share typical 	7.6 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
type of assignment	2
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	03/01/2017
Ambient conditions	
ambient temperature	
 during operation 	-20 +60 °C
 during storage 	-50 +80 °C
 during transport 	-50 +80 °C
temperature compensation	-20 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current- dependent overload release	4.5 6.3 A
operating voltage	
rated value	690 V
• at AC-3 rated value maximum	690 V

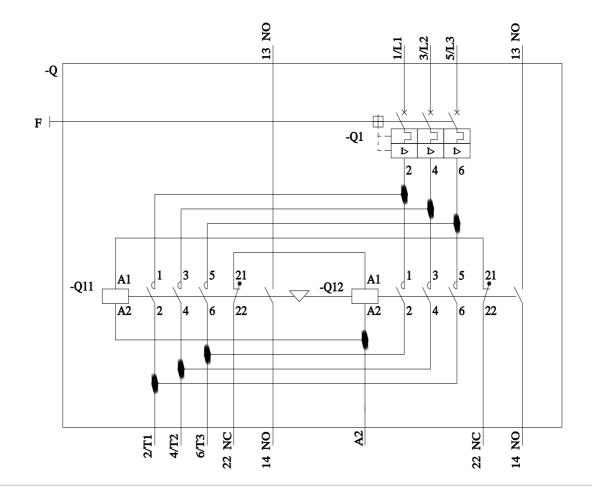
 at AC-3e rated value maximum 	690 V
• at AC-3e rated value maximum operating frequency rated value	590 V 50 60 Hz
operational current	
at AC-3 at 400 V rated value	6.3 A
 at AC-3e at 400 V rated value 	6.3 A
operating power	
• at AC-3	
- at 400 V rated value	2 200 W
• at AC-3e	
— at 400 V rated value	2 200 kW
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
• at 50 Hz rated value	230 230 V
apparent holding power of magnet coil at AC	7.6 VA
• at 50 Hz	7.6 VA
inductive power factor with the holding power of the coil	0.25
• at 50 Hz	0.25
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	82 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	6.3 A
• at 600 V rated value	6.3 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	2 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (lq)	
• at 400 V according to IEC 60947-4-1 rated value	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	for snapping onto 60 mm busbar systems
height	260 mm
width	90 mm
depth	165 mm
required spacing	
for grounded parts forwards	20
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	10 mm
for live parts forwards	22 mm
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm

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