SIEMENS

Data sheet

3RA2220-1HF24-0AP0

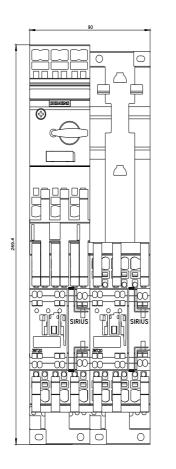


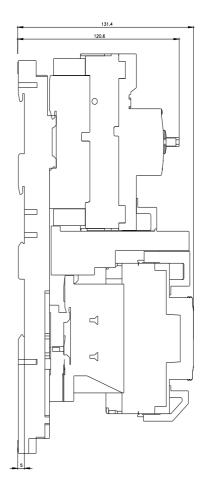
Load feeder fuseless, Reversing duty 400 V AC, Size S0 5.50...8.00 A 230 V AC Spring-type terminal for installation on standard mounting rail with standard mounting rail adapter (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

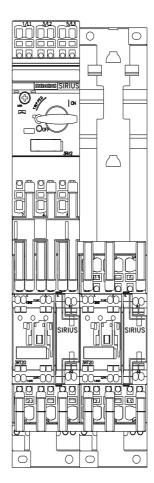
product brand name	SIRIUS			
product designation	Reversing starter			
design of the product	for standard rail or screw mounting			
product type designation	3RA22			
manufacturer's article number				
 of the supplied contactor 	<u>3RT2024-2AP00</u>			
 of the supplied circuit-breakers 	<u>3RV2021-1HA20</u>			
 of the supplied RH assembly kit 	<u>3RA2923-1BB2</u>			
 of the supplied link module 	<u>3RA2921-2AA00</u>			
 of the supplied standard mounting rail adapter 	<u>3RA2922-1AA00</u>			
General technical data				
size of the circuit-breaker	SO			
size of load feeder	SO			
power loss [W] for rated value of the current				
 at AC in hot operating state per pole 	3.4 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	5.5 8 A			
operating voltage				
rated value	690 V			

at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current	
• at AC-3 at 400 V rated value	8 A
at AC-3e at 400 V rated value	8 A
operating power	
• at AC-3	
— at 400 V rated value	3 000 W
• at AC-3e	
— at 400 V rated value	3 000 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	104 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	8 A
at 600 V rated value	8 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.33 hp
— at 230 V rated value	1 hp
• for 3-phase AC motor	
— at 200/208 V rated value	2 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	7.5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	450,000 A
at 400 V according to IEC 60947-4-1 rated value	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	On adapter for screw and snap-on mounting on 35 mm DIN rail
height	269 mm
width	90 mm
depth	130 mm
required spacing	
for grounded parts forwards	32 mm
— forwards — backwards	32 mm 0 mm
— upwards	50 mm
— at the side	10 mm 10 mm
— downwards	
for live parts forwards	32 mm
— forwards	32 mm
— backwards	0 mm

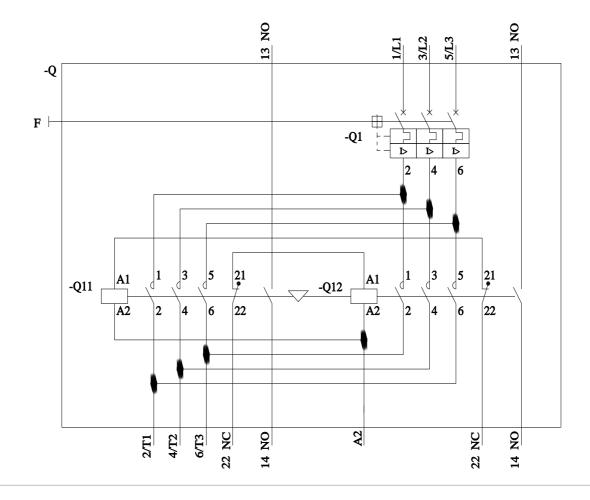
			50					
— upwards			50 mm					
— downwards			10 mm					
— at the side			10 mm					
Connections/ Terminals		_		_		_		
type of electrical conne								
for main current ci			spring-loaded terminals					
 for auxiliary and co 	ontrol circuit		spring-loaded terminals					
Safety related data		_		_				
	and rate according to SN	31920	1 000 000					
proportion of dangerou								
	rate according to SN 319	-	73 %					
-	e front according to IEC	60529	finger-safe, for vertical contact from the front					
Communication/ Protoco		_		_		_		
protocol is supported								
 PROFINET IO pro 	tocol		No					
 PROFIsafe protoc 			No					
protocol is supported AS	-Interface protocol		No					
ertificates/ approvals								
General Product Appro	oval			e in hazard- cations	Declaration of Conform	nity		
<u>Confirmation</u>		EHC		Ex ATEX	UK CA	CE EG-Konf.		
Test Certificates Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	Marine / Shipping	9		Hoyd's Register			
Marine / Shipping		ABS	other	ERITAS	LRS Railway	PRS		
RINA	RMRS	ENGLICENT	<u>C</u> (onfirmation	Vibration and Shock			
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7/10/2023



last modified:

4/18/2023 🖸