SIEMENS

Data sheet

3RA2434-8XF32-1AC2

Contactor assembly for star-delta (wye-delta) start AC-3, 22/30 kW/400V, 24 V AC 50/60 Hz, 3-pole, size S2 screw terminals electrical and mechanical interlock 3 NO + 3 NC integrated

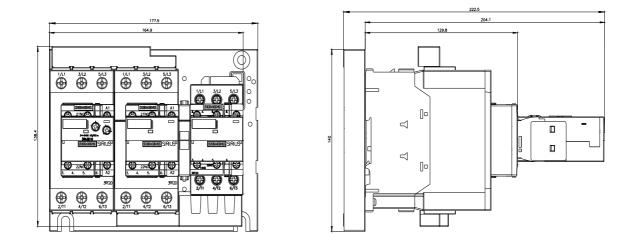


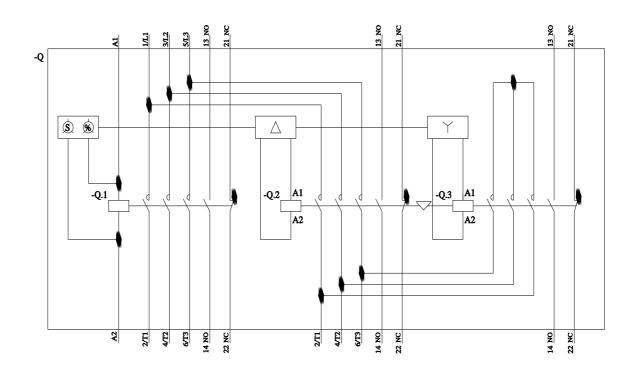
product brand name	SIRIUS	
product designation	Contactor assembly for star-delta (wye-delta) start	
product type designation	3RA24	
manufacturer's article number		
• 1 of the supplied contactor	<u>3RT2035-1AC20</u>	
2 of the supplied contactor	<u>3RT2035-1AC20</u>	
3 of the supplied contactor	<u>3RT2026-1AC20</u>	
 of the supplied RS assembly kit 	<u>3RA2933-2C</u>	
 of the supplied function module for wye-delta circuits 	<u>3RA2816-0EW20</u>	
General technical data		
size of contactor	\$2	
product extension auxiliary switch	No	
shock resistance at rectangular impulse		
• at AC	11.8g / 5 ms, 7.4g / 10 ms	
shock resistance with sine pulse		
• at AC	18.5g / 5 ms, 11.6g / 10 ms	
mechanical service life (operating cycles)		
 of contactor typical 	10 000 000	
 of the contactor with added auxiliary switch block typical 	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2014	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
during operation	-25 +60 °C	
during storage	-55 +80 °C	
Main circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	
number of NC contacts for main contacts	0	
operating voltage		
 at AC-3 rated value maximum 	690 V	
operational current		
• at AC-3		
— at 400 V rated value	65 A	
operating power		
• at AC-3		
— at 400 V rated value	22 kW	
operating frequency		
• at AC-3 maximum	1 000 1/h	

Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
• at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	422 VA
• at 60 Hz	378 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	26.4.1/4
• at 50 Hz	36.4 VA
at 60 Hz	35 VA
inductive power factor with the holding power of the coil • at 50 Hz	0.36
• at 50 Hz	0.39
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
instantaneous contact	3
number of NO contacts for auxiliary contacts	
instantaneous contact	3
contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	
- with type of coordination 1 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
- with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A
 for short-circuit protection of the auxiliary switch required 	fuse gG: 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw fixing
height	142 mm
width	177.5 mm
depth	223 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
 for grounded parts 	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— upwards — downwards — at the side	10 mm 10 mm 10 mm

screw-type terminals			
screw-type terminals	screw-type terminals		
	Screw-type terminals		
	Screw-type terminals		
2x (1 35 mm²), 1x (1	50 mm²)		
	2x (1 35 mm ²), 1x (1 50 mm ²)		
2x (0.5 1.5 mm²). 2x	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
	,		
1,000,000			
40 %			
20 d			
IP20	IP20		
finger-safe, for vertical	contact from the front		
No			
No			
No			
n of Conformity	Test Certificates	Marine / Shipping	
c UK	<u>Type Test Certific-</u> ates/Test Report		
nf.		BUREAU	
		VERITAS	
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	2x (0.5 1.5 mm ²), 2x 2x (0.5 1.5 mm ²), 2x 2x (20 16), 2x (18 1 000 000 40 % 73 % 100 FIT 20 a IP20 finger-safe, for vertical IP20 No No No No No	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 1 000 000 40 % 73 % 100 FIT 20 a IP20 finger-safe, for vertical contact from the front No No No	

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RA2434-8XF32-1AC2/char Further characteristics (e.g. electrical endurance, switching frequency)





last modified:

12/1/2021 🖸