SIEMENS

Data sheet

3RA2417-8XF31-1AP0

STAR-DELTA COMB. AC3, 11KW/400V AC230V, 50/60HZ, 3-POLE SZ S00, SCREW TERMINAL ELECTR. AND MECH. INTERLOCK 3NO INTEGR.



product brand name	SIRIUS
Product designation	star-delta (wye-delta) contactor assembly 3RA24
Manufacturer article number	
 1 of the supplied contactor 	3RT2018-1AP01
 2 of the supplied contactor 	3RT2018-1AP01
 3 of the supplied contactor 	3RT2016-1AP01
 of the supplied RS assembly kit 	3RA2913-2BB1
 of the supplied function module for wye-delta circuits 	3RA2816-0EW20

General technical data:		
Insulation voltage		
 with degree of pollution 3 Rated value 	V	690
Degree of pollution		3
Shock resistance		9.8g / 5 ms and 5.9g / 10 ms
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
 of the contactor typical 		10 000 000
 of the contactor with added auxiliary switch 		10 000 000
block typical		
Protection class IP		
• on the front		IP20
Equipment marking		
● acc. to DIN EN 81346-2		Q

Main circuit:		
Number of poles for main current circuit	3	3

	0
	3
_	
V	690
Α	22
Α	20
Α	25
Α	25
kW	11
kW	11
kW	11
kW	11
-	
1/h	1 000
1/h	1 500
	AC
V	230
	0.8 1.1
	0.85 1.1
	0
	0
	3
	3 0
	A A A KW KW kW hW hW

Α	10
Α	6
Α	3
Α	10
Α	2
Α	1
Α	0.3
	< 1 error per 100 million operating cycles
	A600 / Q600
	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE:
	35 A
	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20 A
	fuse gL/gG: 10 A
	+/-180° rotation possible on vertical mounting
	surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
	screw and snap-on mounting onto 35 mm standard mounting rail
mm	68
mm	135
mm	145
mm	6
	0
mm	0
mm mm	6
mm	6
mm mm	6 6
mm mm	6 6
mm mm mm	6 6 6
	A A A A A mm mm mm

— at the side	mm	6
— downwards	mm	6
• for live parts		
— forwards	mm	6
— Backwards	mm	0
— upwards	mm	6
— downwards	mm	6
— at the side	mm	6

Connections/ Terminals:		
Type of electrical connection		
• for main current circuit		screw-type terminals
 for auxiliary and control current circuit 		screw-type terminals
Type of connectable conductor cross-section		
• for main contacts		
— single or multi-stranded		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (0,5 4 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors for main contacts 		2x (20 16), 2x (18 14)
• for auxiliary contacts		
 — single or multi-stranded 		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors for auxiliary contacts 		2x (20 16), 2x (18 14)
Apparent pick-up power of the magnet coil with AC		
● at 50 Hz	V·A	37

Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	%	40
 with high demand rate acc. to SN 31920 	%	75
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
T1 value for proof test interval or service life acc. to IEC 61508	У	20
Protection against electrical shock		finger-safe

Mechanical data:		
Size of contactor	S00	

Communication/ Protocol:	
Product function Bus communication	No
Protocol is supported	
AS-interface protocol	No
Product function Control circuit interface with IO link	No

Ambient conditions:			
Installation altitude at height above sea level	m	2 000	
maximum			
Ambient temperature			
during operation	°C	-25 +60	
during storage	°C	-55 + 80	

Certificates/ approvals:

General	Declaration of	Test	Shipping Approval
Product	Conformity	Certificates	
Approval			





Special Test
Certificate







other

Shipping Approval



GL









Environmental Confirmations

other

other

Further information

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

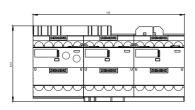
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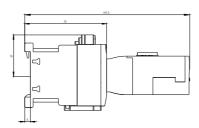
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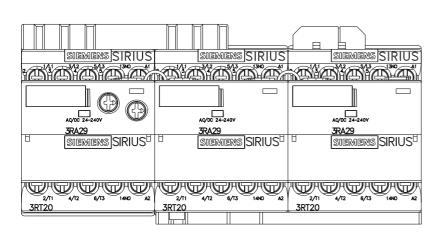
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RA24178XF311AP0/all

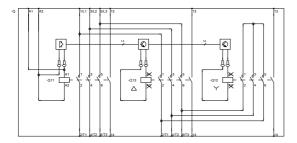
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA24178XF311AP0&lang=en







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