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Data sheet 3RA14 36-8XC21-1AL2

CONTACTOR ASSEMBLY, STAR-DELTA (ASSEMBLED) WITH TIME RELAIS AT THE SIDE, AC-3 45KW/400 V, 3-POLE, SIZES S2,S2,S2, EL. LOCKED, SCREW CONNECTION, AC 230V, 50/60 HZ

Figure similar

General technical data:		
product brand name		SIRIUS
Product designation		contactor assembly
Product function		wye-delta-contactor
Size of contactor		S2, S2, S2
Protection class IP on the front		IP20
Degree of pollution		3
Insulation voltage with degree of pollution 3 rated value	V	690
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-55 ... +80
• during transport	°C	-55 ... +80
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K
Equipment marking acc. to DIN EN 61346-2		Q

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Mechanical service life (switching cycles)		
• of the main contacts typical		10 000 000
• of auxiliary contacts typical		10 000 000
• of the contactor with added auxiliary switch block typical		10 000 000

Main circuit:		
Number of poles for main current circuit		3
Number of NC contacts for main contacts		0
Operating voltage at AC-3 rated value maximum	V	690
Operating current at AC-3 at 400 V rated value	A	86
Operating power at AC-3		
• at 400 V rated value	kW	45
• at 500 V rated value	kW	55
• at 690 V rated value	kW	63

Control circuit/ Control:		
Control version of the switch operating mechanism		conventional
Design of the surge suppressor		without
Type of voltage of the control supply voltage		AC
Control supply voltage frequency		
• 1 rated value	Hz	50
• 2 rated value	Hz	60
Control supply voltage 1		
• at AC		
— at 50 Hz rated value	V	230
— at 60 Hz rated value	V	230
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
• at DC		0.8 ... 1.1

Auxiliary circuit:		
Product extension Auxiliary switch		Yes
Number of NC contacts for auxiliary contacts		
• instantaneous contact		4
• lagging switching		0
Number of NO contacts for auxiliary contacts		
• instantaneous contact		4
• leading contact		0

Short-circuit:		
Design of the fuse link		

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• for short-circuit protection of the auxiliary switch required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
— with type of coordination 1 required		fuse gL/gG: 160 A
— with type of assignment 2 required		fuse gL/gG: 80 A

Installation/ mounting/ dimensions:

Mounting position		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type		screw fixing
Width	mm	198
Height	mm	140
Depth	mm	169
Required spacing		
• with side-by-side mounting at the side	mm	0
• for grounded parts at the side	mm	0
• for live parts		
— at the side	mm	0

Connections/ Terminals:

Type of electrical connection for main current circuit		screw-type terminals

Certificates/ approvals:

Certificate of suitability		CE / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS

General Product Approval	Declaration of Conformity	Shipping Approval				
EAC	CE EG-Konf.	GL GL	Lloyd's Register LRS	RINA RINA	RMRS RMRS	

other	
Umweltbestätigung	Bestätigungen

Safety related data:

Contact reliability of auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)

Further information

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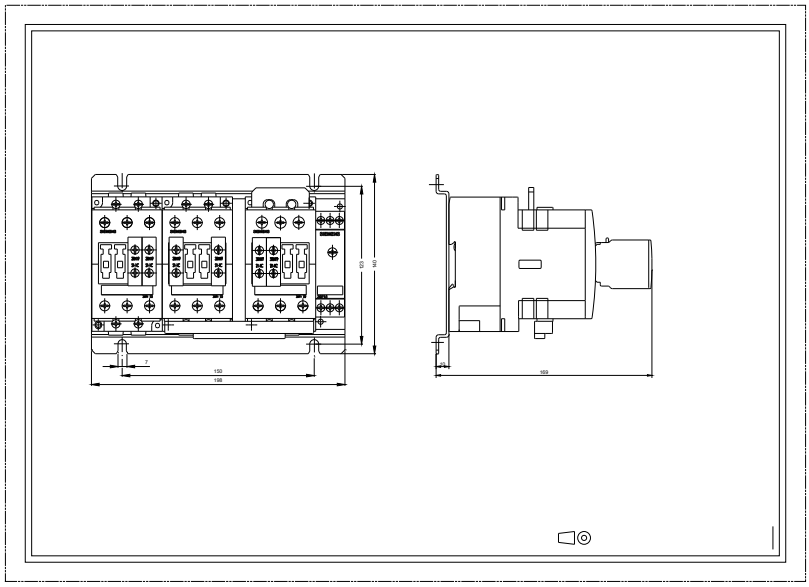
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA1436-8XC21-1AL2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA1436-8XC21-1AL2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA1436-8XC21-1AL2&lang=en



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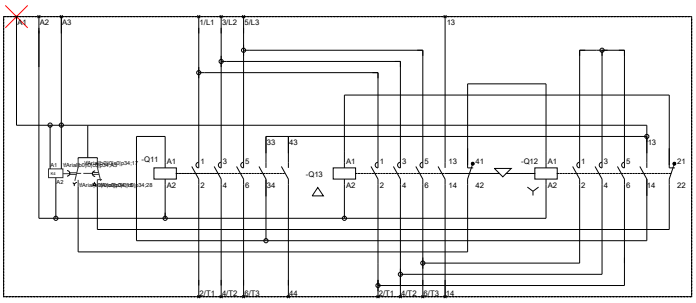

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