SIEMENS

Data sheet   **3RH2262-1AP60**

CONTACTOR RELAY, 6NO+2NC, AC 220V 50HZ / 240V 60HZ, SIZE S00, SCREW TERMINAL, PERMANENT AUX. SWITCH, FOR SUVA APPLICATIONS

product brand name		SIRIUS
Product designation		contactor relay

General technical data:		
Insulation voltage		
• with degree of pollution 3 Rated value	V	690
Degree of pollution		3
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
• of the contactor typical		10 000 000
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		K
• acc. to DIN EN 81346-2		K

Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage with AC		
• at 50 Hz Rated value	V	220
• at 60 Hz Rated value	V	240
• Rated value	Hz	50
Control supply voltage frequency 2 Rated value	Hz	60
Operating range factor control supply voltage rated value of the magnet coil with AC		
• at 50 Hz		0.8 ... 1.1
• at 60 Hz		0.85 ... 1.1

Apparent pick-up power of the magnet coil with AC	V·A	37
Apparent holding power of the magnet coil with AC	V·A	5.7
Inductive power factor		
• with closing power of the coil		0.8
• with the holding power of the coil		0.25

Auxiliary circuit:

Number of NC contacts		
• for auxiliary contacts		2
— instantaneous contact		2
Number of NO contacts		
• for auxiliary contacts		6
— instantaneous contact		6
Product expansion Auxiliary switch		No
Identification number and letter for switching elements		62 E
Operating current at AC-15		
• at 230 V Rated value	A	6
• at 400 V Rated value	A	3
• at 690 V Rated value	A	1
Design of the miniature circuit breaker		
• for short-circuit protection of the auxiliary circuit up to 230 V		C characteristic: 6 A; 0.4 kA
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)

UL/CSA ratings:

Contact rating of the auxiliary contacts acc. to UL		A600 / Q600

Short-circuit:

Design of the fuse link		
• for short-circuit protection of the auxiliary switch required		fuse gL/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
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail
Height	mm	57.5
Width	mm	45
Depth	mm	116
Required spacing		
• for grounded parts		
— at the side	mm	6
• for live parts		

— at the side	mm	6

Connections/ Terminals:

Type of electrical connection		
• for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-section		
• for auxiliary contacts		
— single or multi-stranded		2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), 2x 4 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), 2x 12

Safety related data:

B10 value with high demand rate acc. to SN 31920		1 000 000
• Note		With 0.3 x Ie
Proportion of dangerous failures		
• with low demand rate acc. to SN 31920	%	40
• with high demand rate acc. to SN 31920	%	73
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	y	20
Protection against electrical shock		finger-safe

Mechanical data:

Size of contactor		S00

Ambient conditions:

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

Certificates/ approvals:

General Product Approval				Functional Safety/Safety of Machinery	Declaration of Conformity
CCC	CSA	EAC	UL	Type Examination	CE EG-Konf.

Test Certificates		Shipping Approval			
Special Test Certificate	Type Test Certificates/Test Report	ABS	BUREAU VERITAS	DNV	GL

Shipping Approval				other	
LRS	PRS	RINA	RMRS	Environmental Confirmations	VDE

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

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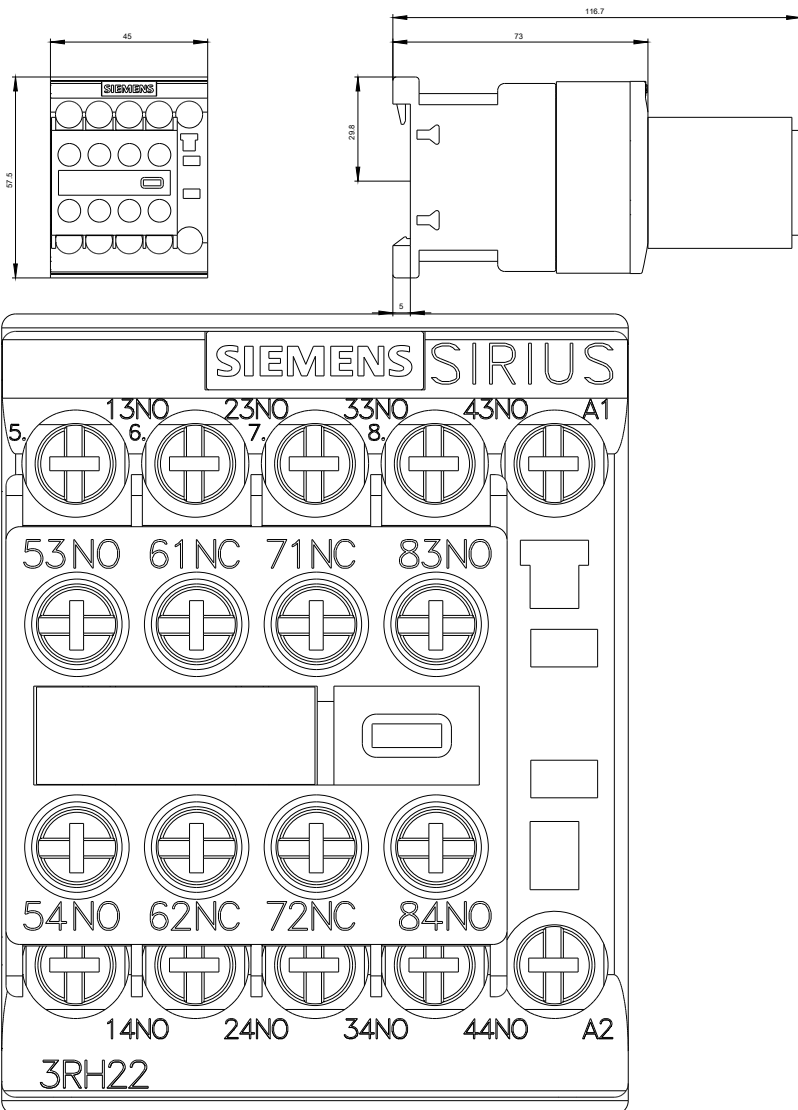http://www.siemens.com/industrymall

Cax online generator
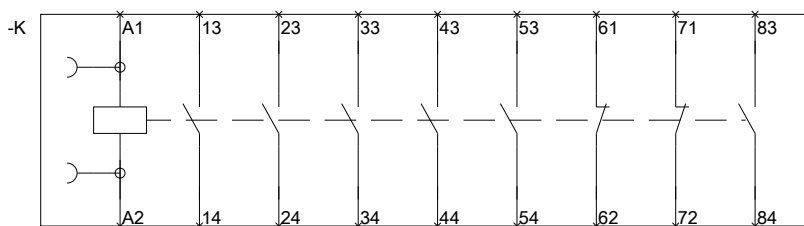http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH22621AP60

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RH22621AP60/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=3RH22621AP60&lang=en

45

57.5

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116.7

73

29.8

5

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| | 13NO | 23NO | 33NO | 43NO | A1 |
| 5. | 6. | 7. | 8. | | |

53NO 61NC 71NC 83NO

54NO 62NC 72NC 84NO

14NO 24NO 34NO 44NO A2

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| A1 | 13 | 23 | 33 | 43 | 53 | 61 | 71 | 83 |
| A2 | 14 | 24 | 34 | 44 | 54 | 62 | 72 | 84 |

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