SIEMENS

Product data sheet 3RT1055-6AP36

CONTACTOR, 75KW/400V/AC-3,
AC(40...60HZ)/DC OPERATION UC 220...240V AUXIL.
CONTACTS 2NO+2NC 3-POLE,
SIZE S6 BAR CONNECTIONS CONVENTIONAL
OPERATING MECHAN. SCREW TERMINAL

General details:		
Product brand name		SIRIUS
Product designation		power contactor
Size of the contactor		S6
Protection class IP / frontal/front side		IP00
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2000
Ambient temperature / during the operating phase	°C	-25 … 60
Real loss power / per conductor / typical	W	9
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		K
Mechanical operating cycles as operating time		
• of the contactor / typical		10000000
• of the contactor with added auxiliary switch block / typical		10000000
• of the contactor with added electronics-compatible auxiliary switch block / typical		5000000

Main circuit:		
Number of poles / for main current circuit		3
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating current / at AC-1 / at 400 V / at 40 °C ambient temperature / rated value	A	185
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	160
Operating current		
• at AC-3 / at 400 V / rated value	A	150
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	160

• at 110 V / rated value	A	18
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	2.5
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
Service power		
• at AC-1 / at 400 V / rated value	kW	105
• at AC-2 / at 400 V / rated value	kW	84
• at AC-3		
• at 400 V / rated value	kW	75
• at 500 V / rated value	kW	105
• at 690 V / rated value	kW	146

Control circuit:		
Design of activation of the operating mechanism		conventional
Design of the surge suppressor		with varistor
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage frequency		
• 1 / rated value	Hz	40
• 2 / rated value	Hz	60
Control supply voltage / 1		
• for DC		
• initial rated value	V	220
• final rated value	V	240
• at 50 Hz / for AC		
• initial rated value	V	220
• final rated value	V	240

• at 60 Hz / for AC		
• initial rated value	V	220
• final rated value	V	240

Auxiliary circuit:

Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts		
• instantaneous switching		2
• lagging switching		0
Number of NO contacts / for auxiliary contact		
• instantaneous switching		2
• leading switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	A	10
• at AC-15		
• at 230 V	A	6
• at 400 V	A	3
• at DC-12		
• at 60 V	A	6
• at 110 V	A	3
• at 220 V	A	1
• at DC-13		
• at 24 V	A	10
• at 60 V	A	2
• at 110 V	A	1
• at 220 V	A	0.3

Short-circuit:

Design of the fuse link		
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
• at type of coordination 1 / required		fuse gL/gG: 355 A
• at type of coordination 2 / required		fuse gL/gG: 315 A

Installation/mounting/dimensions:

Type of mounting		screw fixing
series installation		Yes
Width	mm	120
Height	mm	172
Depth	mm	180
Distance, to be maintained, to earthed part / sidewards	mm	10

Connection type:

Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Identification number and letter for switching elements		22 E

Certificates/approvals:

General Product Approval				Functional Safety / Safety of Machinery
CQC		ROSTEST		SUVA

Test Certificates		Shipping Approval		
Manufacturer	other	ABS		

other	
Manufacturer	other

Further information:

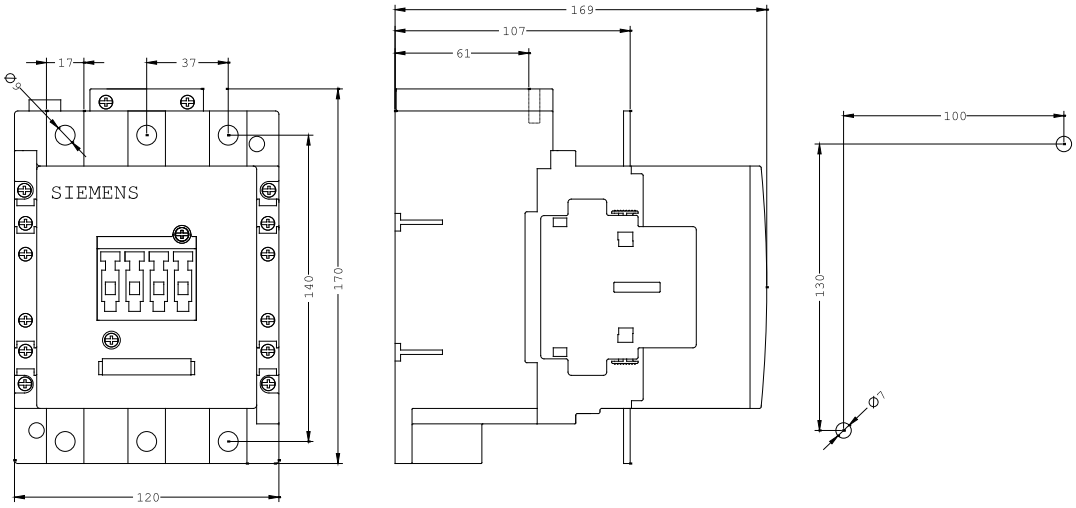
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RT1055-6AP36/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1055-6AP36



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