



AC-1 CONTACTOR, 4-POLE, 550 A,
MAIN CONTACTS 4 NO,
AUXILIARY CONTACTS 2NO+2NC,
AC OPERATION AC 110V 50HZ/AC 120V 60HZ

General details:

Protection class IP / on the front		IP00
Ambient temperature / during operating	°C	-25 ... +55
Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
Reference code / according to DIN EN 61346-2		Q
Number of poles / for main current circuit		4
Operating current / at AC-1 / at 400 V		
• at 40 °C ambient temperature / rated value	A	550

Main circuit:

Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		4
Operating current / at AC-3 / at 400 V / rated value	A	400
Operating performance		
• at AC-3 / at 400 V / rated value	kW	200
• at AC-1 / at 400 V / rated value	kW	360

Control circuit:

Design of activation / of the operating mechanism		conventional
Voltage type / of control feed voltage		AC

Control supply voltage frequency • 1 / rated value • 2 / rated value	Hz	50
	Hz	60
Control supply voltage • at 50 Hz / at AC / rated value • at 60 Hz / at AC / rated value	V	110
	V	120
Number of NC contacts / for auxiliary contacts • lagging switching • instantaneous switching		0
		2
Number of NO contacts / for auxiliary contacts • leading switching • instantaneous switching		0
		2

Auxiliary circuit:

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

Mechanical design:

Mounting type		screw fixing
Mounting type / series installation		Yes
Width	mm	266
Height	mm	272
Depth	mm	225.5

Certificates/approvals:

General Product Approval	Test Certificates	other		
 CCC		Special Test Certificate	Declaration of Conformity	Environmental Confirmations

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/3TK1442-0AF0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TK1442-0AF0

last change:

Jul 24, 2014