## **SIEMENS**

## **Data sheet**



3P Power Contactor AC3:95A 1NO+1NC AC220V 50/60Hz Main circuit: Screw Auxiliary circuit: Screw

product brand name	SINOVA				
product designation	Power contactor				
General technical data					
size of contactor	4				
product extension auxiliary switch	Yes				
power loss [W] for rated value of the current at AC in hot operating state	40.96875 W				
• per pole	13.65625 W				
insulation voltage					
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V				
of auxiliary circuit with degree of pollution 3 rated value	1 000 V				
surge voltage resistance					
of main circuit rated value	8 kV				
of auxiliary circuit rated value	6 kV				
protection class IP					
• on the front	IP20				
mechanical service life (operating cycles)					
of contactor typical	3 000 000				
reference code according to IEC 81346-2	Q				
Substance Prohibitance (Date)	07/01/2022				
Weight	1.32 kg				
Ambient conditions					
installation altitude at height above sea level maximum	2 000 m				
ambient temperature					
<ul> <li>during operation</li> </ul>	-5 +55 °C				
during storage	-25 +70 °C				
relative humidity minimum	10 %				
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %				
Main circuit					
number of poles for main current circuit	3				
number of NO contacts for main contacts	3				
operating voltage at AC-3 rated value maximum	690 V				
operational current					
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	125 A				
• at AC-1 up to 690 V					
<ul> <li>at ambient temperature 40 °C rated value</li> </ul>	125 A				
<ul> <li>at ambient temperature 60 °C rated value</li> </ul>	93 A				
• at AC-3					
— at 400 V rated value	95 A				

operating power  • at AC-3  — at 400 V rated value — at 690 V rated value  no-load switching frequency • at AC  operating frequency • at AC-1 maximum • at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC • at 50 Hz rated value	47 A  45 kW  45 kW  1 200 1/h  600 1/h  400 1/h  AC  220 V
at AC-3  — at 400 V rated value — at 690 V rated value  no-load switching frequency  at AC  operating frequency  at AC-1 maximum  at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  4  4  4  4  4  4  4  4  4  4  4  4  4	45 kW  1 200 1/h  600 1/h  400 1/h  AC
- at 400 V rated value - at 690 V rated value  no-load switching frequency  • at AC  operating frequency  • at AC-1 maximum  • at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	45 kW  1 200 1/h  600 1/h  400 1/h  AC
— at 690 V rated value  no-load switching frequency  • at AC  operating frequency  • at AC-1 maximum  • at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	45 kW  1 200 1/h  600 1/h  400 1/h  AC
no-load switching frequency  • at AC  operating frequency  • at AC-1 maximum  • at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	1 200 1/h 600 1/h 400 1/h AC
at AC     operating frequency     at AC-1 maximum     at AC-3 maximum      ot AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC     at 50 Hz rated value  2	600 1/h 400 1/h AC 220 V
operating frequency  • at AC-1 maximum  • at AC-3 maximum  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	600 1/h 400 1/h AC 220 V
at AC-1 maximum at AC-3 maximum  at AC-3 maximum  control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  2	400 1/h AC 220 V
type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	AC 220 V
type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz rated value	220 V
control supply voltage at AC  • at 50 Hz rated value  2	220 V
• at 50 Hz rated value	
10011	220 V
• at 60 Hz rated value	
operating range factor control supply voltage rated value of	
magnet coil at AC	
*******	0.85 1.1
	0.85 1.1
apparent pick-up power of magnet coil at AC	000.1/4
	280 VA
	280 VA
inductive power factor with closing power of the coil	0.75
	0.75 0.75
at 60 Hz  apparent holding power of magnet coil at AC	0.75
	32 VA
	31 VA
inductive power factor with the holding power of the coil	or va
	0.3
	0.3
	17 38 ms
	5 23 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
	6 A
	3 A
	2 A
	1 A
operational current at DC-12	0.4
	6 A
	3 A
	1 A
operational current at DC-13	6 A
	6 A 1 A
	0.3 A
	0.1 A
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
	fuse gG: 160 A
· ·	fuse gG: 125 A
	fuse gG: 10 A
	22.5° inclination forward and backward & 360° rotation, in relation to normal
	vertical mounting plane

fastening method		screw and snap-on mounting onto 35 mm or 75 mm standard mounting rail according to DIN EN 60715			
height				mm	
width		84.5 mm			
depth			121.5 mm		
Connections/ Terminals					
type of electrical connection					
for main current circuit			screw-type terminals		
for auxiliary and control circuit			screw-type terminals		
type of connectable conductor cross-sections for main contacts					
solid or stranded			1x (4 50 mm²), 2x (4 35 mm²)		
finely stranded with core end processing			1x (4 50 mm²), 2x (4 16 mm²)		
type of connectable conductor cross-sections					
for auxiliary contacts					
— solid or stranded			1x (1 4 mm²), 2x (1 4 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>		1x (1 2.5 mm²), 2x (1 1.5 mm²)			
tightening torque					
<ul> <li>for main contacts with screw-type terminals</li> </ul>		9 N·m			
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>		1.2 N·m			
design of the thread of the connection screw					
for main contacts			M10		
<ul> <li>of the auxiliary and control contacts</li> </ul>		M3.5			
Approvals Certificates					
General Product Ap-	Test Certificates	other		Environment	



proval

Type Test Certificates/Test Report

Confirmation

Environmental Confirmations

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3MT7095-4AA11-0AN2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MT7095-4AA11-0AN2

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

https://support.industry.siemens.com/cs/ww/en/ps/3MT7095-4AA11-0AN2

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

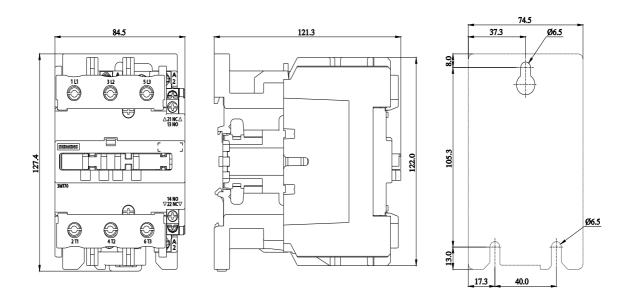
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3MT7095-4AA11-0AN2&lang=en

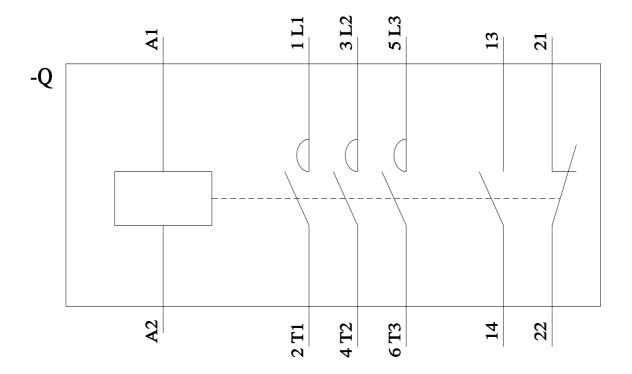
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3MT7095-4AA11-0AN2/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3MT7095-4AA11-0AN2&objecttype=14&gridview=view1





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