3MT7065-3AA11-0AL2

Data sheet



3P Power Contactor AC3:65A 1NO+1NC AC230V 50/60Hz Main circuit: Screw Auxiliary circuit: Screw

product brand name	SINOVA	
product designation	Power contactor	
General technical data		
size of contactor	3	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current at AC in hot operating state	19.2 W	
• per pole	6.4 W	
insulation voltage		
 of main circuit with degree of pollution 3 rated value 	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	5 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	07/01/2022	
Weight	1.082 kg	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-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		
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	80 A	
• at AC-1 up to 690 V		
 at ambient temperature 40 °C rated value 	80 A	
 at ambient temperature 60 °C rated value 	65 A	
• at AC-3		
— at 400 V rated value	65 A	

an AC3	— at 690 V rated value	32 A
	operating power	
mo-load switching frequency at AC 1200 l/h	• at AC-3	
act AC	— at 400 V rated value	30 kW
	— at 690 V rated value	30 kW
Operating frequency		1 200 1/h
* at AC-3 maximum 600 1/h control circuit Control type of voltage of the control supply voltage Control supply voltage at AC * at 50 Hz rated value 230 V * at 50 Hz rated value 230 V operating range factor control supply voltage rated value of magnet coil at AC * at 50 Hz rated value 0.85 1.1 apparent pick-up power of magnet coil at AC * at 50 Hz 280 VA * at 50 Hz 4 0.75 * at 50 Hz 0.75		
		600 1/h
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Type of voltage of the control supply voltage AC		
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* at 50 Hz		
		0.75
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		44.1/4
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at 220 V rated value operational current at DC-13 at 24 V rated value at 210 V rated value at 220 V rated value at 600 V rated value ot 600 V rated	• at 24 V rated value	6 A
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 at 220 V rated value at 600 V rated value 5hort-circuit protection design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required fuse gG: 100 A with type of short-circuit protection of the auxiliary switch required fuse gG: 10 A 	at 110 V rated value	1 A
at 600 V rated value Short-circuit protection design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required for short-circuit protection of the auxiliary switch required fuse gG: 100 A fuse gG: 80 A fuse gG: 10 A		
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required fuse gG: 10 A • for short-circuit protection of the auxiliary switch required fuse gG: 10 A		
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 — with type of coordination 1 required — with type of assignment 2 required fuse gG: 100 A fuse gG: 80 A for short-circuit protection of the auxiliary switch required fuse gG: 10 A 	-	
 — with type of assignment 2 required fuse gG: 80 A for short-circuit protection of the auxiliary switch required fuse gG: 10 A 	·	fuse aG: 100 A
• for short-circuit protection of the auxiliary switch required fuse gG: 10 A		•
		•
Mounting position		-
mounting position 22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane	mounting position	

General Product Approval	Test Certificates	other		Environment	
Approvals Certificates					
 of the auxiliary and control contacts 		M3.5			
for main contacts		M8			
design of the thread of the connection screw					
for auxiliary contacts with screw-type terminals		1.2 N·m			
 for main contacts with screw-type terminals 		5 N·m			
tightening torque					
— finely strand	led with core end process	ing	1x (1 2.5 mm²), 2x (1 1.5 mm²)		
— solid or stranded		1x (1 4 mm²), 2x (1 4 mm²)			
for auxiliary contacts					
type of connectable co	onductor cross-sections	•			
finely stranded with core end processing		1x (2.	1x (2.5 25 mm²), 2x (2.5 10 mm²)		
solid or stranded		1x (2.5 25 mm²), 2x (2.5 16 mm²)			
type of connectable con	ductor cross-sections for	main contacts			
for auxiliary and control circuit		screw	screw-type terminals		
for main current circuit		screw-type terminals			
type of electrical conn	ection				
Connections/ Terminals					
depth			113 m	113 mm	
width			74.5 mm		
height			127.5	mm	
fastening method		screw and snap-on mounting onto 35 mm or 75 mm standard mounting rail according to DIN EN 60715			



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

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3MT7065-3AA11-0AL2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MT7065-3AA11-0AL2

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

https://support.industry.siemens.com/cs/ww/en/ps/3MT7065-3AA11-0AL2

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

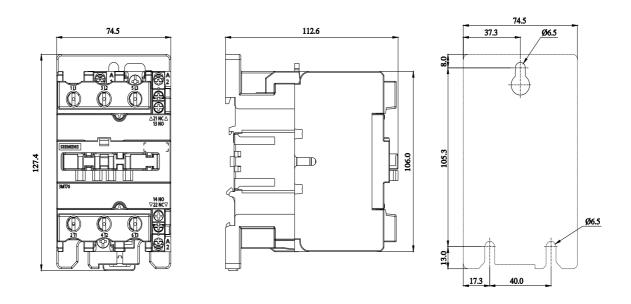
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MT7065-3AA11-0AL2&lang=en

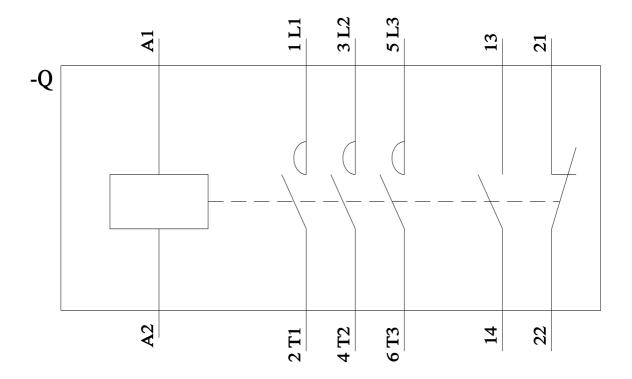
Characteristic: Tripping characteristics, I2t, Let-through current

 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3MT7065-3AA11-0AL2/char}$

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3MT7065-3AA11-0AL2&objecttype=14&gridview=view1





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