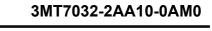
## Data sheet

**SIEMENS** 





3P Power Contactor AC3:32A 1NO AC220V 50Hz Main circuit: Screw Auxiliary circuit: Screw

product brand name	SINOVA	
product designation	Power contactor	
General technical data		
size of contactor	2	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current at AC in hot operating state	15.525 W	
• per pole	5.175 W	
insulation voltage		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V	
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	1 000 V	
surge voltage resistance		
of main circuit rated value	6 kV	
of auxiliary circuit rated value	6 kV	
protection class IP		
• on the front	IP20	
mechanical service life (operating cycles)		
of contactor typical	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	07/01/2022	
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>	40 A	
• at AC-1 up to 690 V		
<ul> <li>at ambient temperature 40 °C rated value</li> </ul>	40 A	
<ul> <li>at ambient temperature 60 °C rated value</li> </ul>	40 A	
• at AC-3		
— at 400 V rated value	32 A	
— at 690 V rated value	17 A	

operating power	
• at AC-3	
— at 400 V rated value	15 kW
— at 690 V rated value	15 kW
no-load switching frequency	
• at AC	1 800 1/h
operating frequency	
• at AC-1 maximum	600 1/h
• at AC-3 maximum	600 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	220 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	100 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.75
apparent holding power of magnet coil at AC	
● at 50 Hz	13 VA
inductive power factor with the holding power of the coil	
● at 50 Hz	0.3
● at 60 Hz	0.3
closing delay at AC	12 27 ms
opening delay at AC	5 22 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NO contacts for auxiliary contacts	
instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>at 500 V rated value</li> </ul>	
● at 500 v rated value	2 A
at 690 V rated value	1 A
• at 690 V rated value	
at 690 V rated value     operational current at DC-12	1 A
at 690 V rated value  operational current at DC-12      at 24 V rated value	1 A 6 A
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> </ul>	1 A 6 A 3 A
<ul> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul>	1 A 6 A 3 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13	1 A 6 A 3 A 1 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 110 V rated value      at 220 V rated value  operational current at DC-13      at 24 V rated value	1 A 6 A 3 A 1 A
at 690 V rated value  operational current at DC-12      at 24 V rated value      at 110 V rated value      at 220 V rated value  operational current at DC-13      at 24 V rated value      at 110 V rated value      at 110 V rated value	1 A 6 A 1 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 220 V rated value  at 220 V rated value	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 110 V rated value  at 600 V rated value  at 600 V rated value	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     st 600 V rated value     Short-circuit protection	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A
at 690 V rated value  operational current at DC-12      at 24 V rated value     at 110 V rated value     at 220 V rated value  operational current at DC-13      at 24 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     at 600 V rated value  Short-circuit protection  design of the fuse link	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 600 V rated value  for short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  with type of coordination 1 required	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A 0.1 A fuse gG: 50 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 600 V rated value  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	1 A 6 A 3 A 1 A 6 A 1 A 0.3 A 0.1 A
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 600 V rated value  for short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  with type of coordination 1 required	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value  Short-circuit protection  design of the fuse link     of reshort-circuit protection of the main circuit     — with type of coordination 1 required     — with type of assignment 2 required     of reshort-circuit protection of the auxiliary switch required     mounting position	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     for 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     of or short-circuit protection of the auxiliary switch required mounting position  fastening method	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
at 690 V rated value     operational current at DC-12         at 24 V rated value         at 110 V rated value         at 220 V rated value         operational current at DC-13             at 24 V rated value             at 110 V rated value             at 110 V rated value             at 110 V rated value             at 600 V rated value             at 600 V rated value             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	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 83 mm
at 690 V rated value  operational current at DC-12  at 24 V rated value  at 110 V rated value  at 220 V rated value  operational current at DC-13  at 24 V rated value  at 110 V rated value  at 110 V rated value  at 220 V rated value  at 600 V rated value  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  mounting position  fastening method  height  width	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 83 mm 56 mm
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     for short-circuit protection  design of the fuse link     for short-circuit protection of the main circuit	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 83 mm
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     for 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 mounting position  fastening method height width depth Connections/ Terminals	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 83 mm 56 mm
at 690 V rated value     operational current at DC-12     at 24 V rated value     at 110 V rated value     at 220 V rated value     operational current at DC-13     at 24 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 600 V rated value     for short-circuit protection  design of the fuse link     for short-circuit protection of the main circuit	1 A  6 A 3 A 1 A  6 A 1 A  0.3 A 0.1 A  fuse gG: 50 A fuse gG: 40 A fuse gG: 10 A  22.5° inclination forward and backward & 360° rotation, in relation to normal vertical mounting plane screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 83 mm 56 mm

for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts	
<ul> <li>solid or stranded</li> </ul>	1x (1.5 10 mm²), 2x (1.5 6 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (1.5 10 mm²), 2x (1.5 4 mm²)
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid or stranded	1x (1.5 4 mm²), 2x (1.5 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (1.5 4 mm²), 2x (1.5 4 mm²)
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	1.85 N·m
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	1.85 N·m
design of the thread of the connection screw	
• for main contacts	M4
<ul> <li>of the auxiliary and control contacts</li> </ul>	M4
Approvals Certificates	

proval

**General Product Ap-**

Type Test Certificates/Test Report

**Test Certificates** 

Confirmation

other

**Environmental Confirmations** 

**Environment** 

## 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=3MT7032-2AA10-0AM0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MT7032-2AA10-0AM0

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

https://support.industry.siemens.com/cs/ww/en/ps/3MT7032-2AA10-0AM0

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

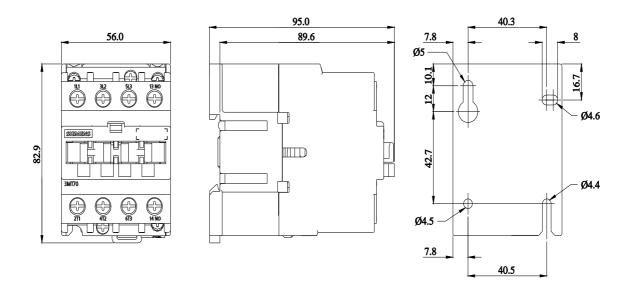
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3MT7032-2AA10-0AM0&lang=en

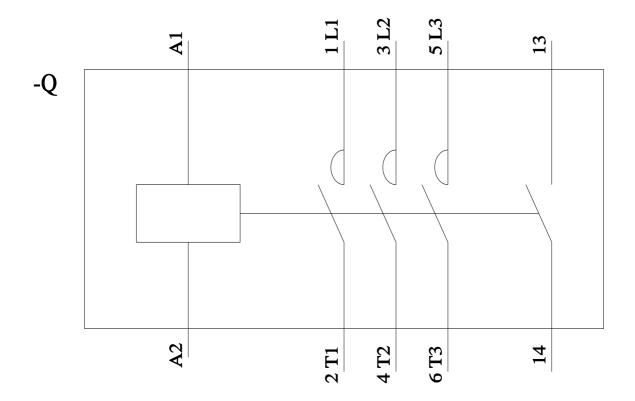
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3MT7032-2AA10-0AM0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3MT7032-2AA10-0AM0&objecttype=14&gridview=view1





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