

SIEMENS

Data sheet

3MT7065-3AA11-0AP0



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

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| 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 |
| • at AC in hot operating state 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 |
| Net Weight | 1.02 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 |

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| <ul style="list-style-type: none"> at AC-3 <ul style="list-style-type: none"> at 400 V rated value at 690 V rated value | 65 A 32 A |
| operating power <ul style="list-style-type: none"> at AC-3 <ul style="list-style-type: none"> at 400 V rated value at 690 V rated value | 30 kW 30 kW |
| no-load switching frequency <ul style="list-style-type: none"> at AC | 1 200 1/h |
| operating frequency <ul style="list-style-type: none"> at AC-1 maximum at AC-3 maximum | 600 1/h 600 1/h |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC <ul style="list-style-type: none"> at 50 Hz rated value | 230 V |
| operating range factor control supply voltage rated value of magnet coil at AC <ul style="list-style-type: none"> at 50 Hz | 0.85 ... 1.1 |
| apparent pick-up power of magnet coil at AC <ul style="list-style-type: none"> at 50 Hz | 230 VA |
| inductive power factor with closing power of the coil <ul style="list-style-type: none"> at 50 Hz | 0.75 |
| apparent holding power of magnet coil at AC <ul style="list-style-type: none"> at 50 Hz | 40 VA |
| inductive power factor with the holding power of the coil <ul style="list-style-type: none"> at 50 Hz at 60 Hz | 0.3 0.3 |
| closing delay at AC | 17 ... 29 ms |
| opening delay at AC | 6 ... 15 ms |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts <ul style="list-style-type: none"> instantaneous contact | 1 |
| number of NO contacts for auxiliary contacts <ul style="list-style-type: none"> instantaneous contact | 1 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 <ul style="list-style-type: none"> at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value | 6 A 3 A 2 A 1 A |
| operational current at DC-12 <ul style="list-style-type: none"> at 24 V rated value at 110 V rated value at 220 V rated value | 6 A 3 A 1 A |
| operational current at DC-13 <ul style="list-style-type: none"> at 24 V rated value at 110 V rated value at 220 V rated value at 600 V rated value | 6 A 1 A 0.3 A 0.1 A |
| Short-circuit protection | |
| design of the fuse link <ul style="list-style-type: none"> for short-circuit protection of the main circuit <ul style="list-style-type: none"> with type of coordination 1 required with type of coordination 2 required for short-circuit protection of the auxiliary switch required | fuse gG: 100 A fuse gG: 80 A fuse gG: 10 A |
| mounting position | 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 |

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| height | 127.5 mm | | |
| width | 74.5 mm | | |
| depth | 113 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 (2.5 ... 25 mm²), 2x (2.5 ... 16 mm²) | |
| • finely stranded with core end processing | | 1x (2.5 ... 25 mm²), 2x (2.5 ... 10 mm²) | |
| type of connectable conductor cross-sections | | | |
| • for auxiliary contacts | | | |
| — solid or stranded | | 1x (1 ... 4 mm²), 2x (1 ... 4 mm²) | |
| — finely stranded with core end processing | | 1x (1 ... 2.5 mm²), 2x (1 ... 1.5 mm²) | |
| tightening torque | | | |
| • for main contacts with screw-type terminals | | 5 N·m | |
| • for auxiliary contacts with screw-type terminals | | 1.2 N·m | |
| design of the thread of the connection screw | | | |
| • for main contacts | | M8 | |
| • of the auxiliary and control contacts | | M3.5 | |
| Approvals Certificates | | | |
| General Product Ap- proval | Test Certificates | other | Environment |

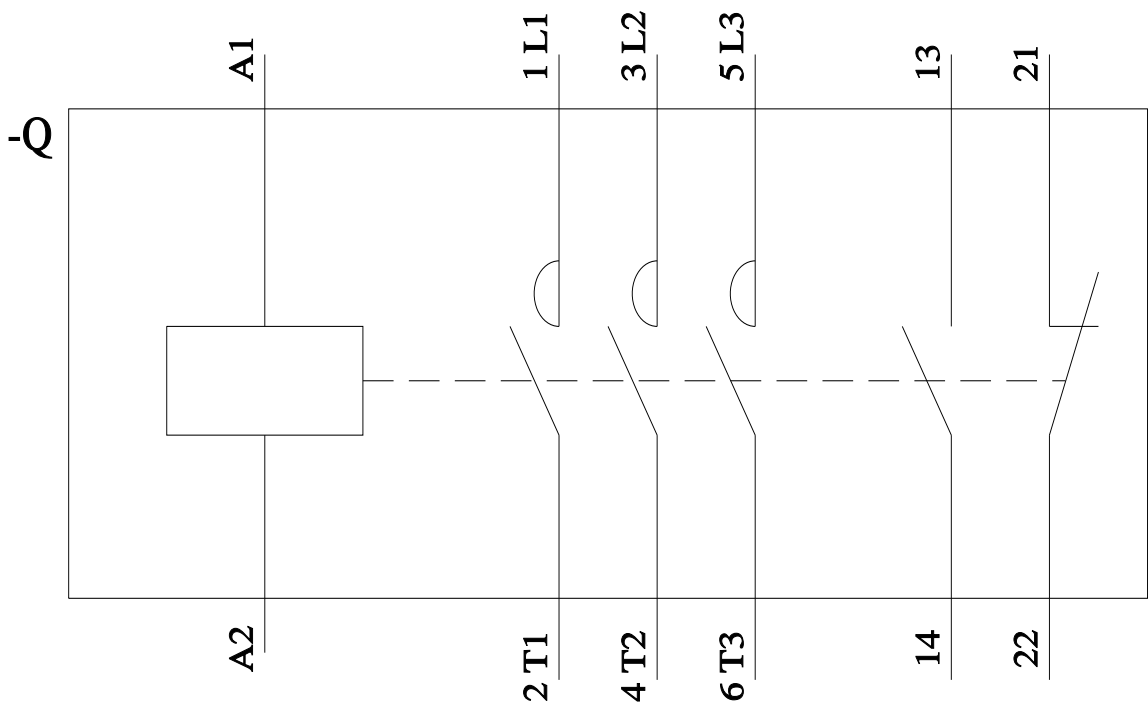
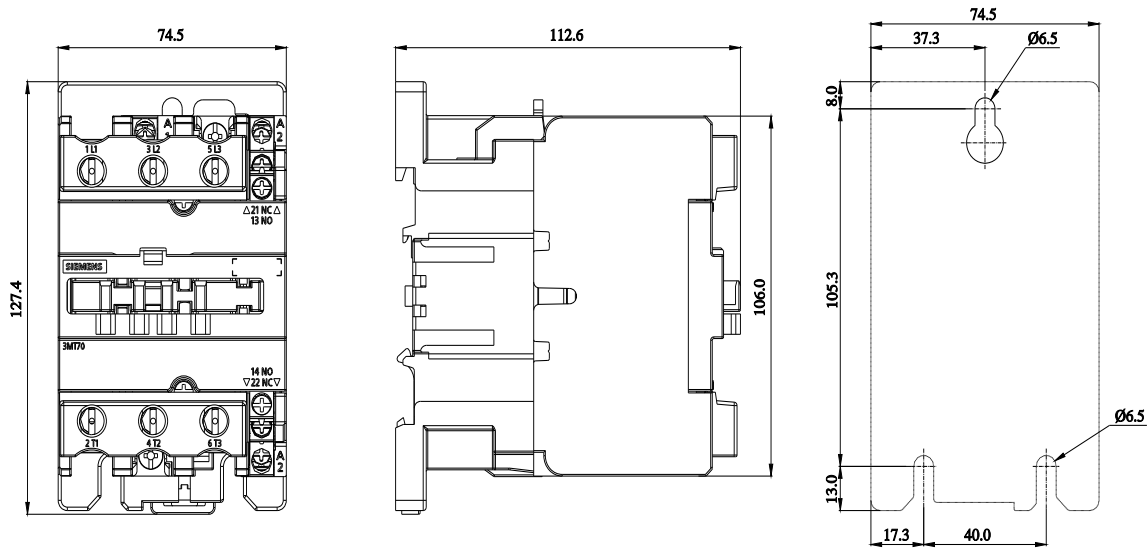


[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Environmental Conformations](#)

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| Further information |
| Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 |
| Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 |
| 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=3MT7065-3AA11-0AP0 |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3MT7065-3AA11-0AP0 |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MT7065-3AA11-0AP0&lang=en |
| Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MT7065-3AA11-0AP0 |
| Characteristic curves <a href='https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>'>https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no> |



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