SIEMENS

Data sheet

3WT8121-6AA00-0AA2

fixed-mounted circuit breaker 3-pole, size 1 In=1250A to 500V, 50/60Hz AC Icu=66kA at 500V with mechanical lockout device with tripped signaling switch with tripped indicators rated short-time current strength ICW 66kA/S, 3-pole Overcurrent release ETU37WT LSING Setting range according to FS with display With manual operating mechanism with memory with mechanical calling without 1st auxiliary release without 2nd auxiliary release With door sealing frame

| Model | |
|-----------------------------------|-------------------------|
| Product brand name | SENTRON |
| Product designation | 3WT air circuit breaker |
| Design of the product | IEC 60947-2 |
| Design of the operating mechanism | Pushbutton |
| Design of the overcurrent release | ETU37WT |

| General technical data | |
|--|-----------------|
| Number of poles | 3 |
| Field of application | CIRCUIT BREAKER |
| Size of the circuit-breaker | 1 |
| Electrical endurance (switching cycles) / typical | 10 000 |
| Usage category | В |
| Diken-export / Let-through current | DS_3WT8 |
| Country code | EN |
| circuit-breaker / Design | 3WT8 |
| Mechanical service life (switching cycles) / typical | 16 000 |
| Reference code / acc. to DIN 40719 extended | Q |
| according to IEC 204-2 / acc. to IEC 750 | |

| Voltage | |
|--|---------|
| Rated operational voltage Ue / max. | 500 V |
| Rated insulation voltage Ui | 1 000 V |
| Insulation voltage | |
| • rated value | 690 V |
| • at AC / rated value | 1 000 V |
| Surge voltage resistance / rated value | 12 kV |
| Operating voltage | |
| • at AC / at 50/60 Hz / rated value | 500 V |

| Protection class | |
|---------------------|------|
| Protection class IP | IP20 |

Current

| Short-time withstand current (low) • at AC / at 415 V / limited to 0.5 s / rated value Main circuit Operating frequency / 1 / rated value So Hz Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts 2 Number of NC contacts / for auxiliary contacts 2 Operating current / of auxiliary contacts 2 Operating current / of auxiliary contacts 2 Sutability Suitability Suitability Suitability for use • Disconnecting means Product details Product details Product function • Trip indicator • Auxiliary switch Product function • Overload protection Yes Accessories Accessories No further Z accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (lcu) • at 500 V / rated value Mechanical Design Mounting type Mounting position Fixed mounting Mounting surface +/- 30* tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum - 20 °C - minimum • maximum - minimum • maximum • minimum • maximum • minimum • maximum • maximum | Diken-export / Let-through energy | 12T_3WT8 |
|--|---|--------------------------|
| • at AC / at 415 V / limited to 0.5 s / rated value Main circuit Operating frequency / 1 / rated value So Hz Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of No contacts / for auxiliary contacts 2 Number of No contacts / for auxiliary contacts 2 Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability Suitability Suitability Froduct details Product component • Trip indicator • Auxiliary switch Product function Product function Product function • Overload protection Accessories accessories No further Z accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (lcu) • at 500 V / rated value 66 kA Mechanical Design Mounting type fixed mounting Mounting position Fixed mounting surface +/-180" rotatable, with vertical mounting surface +/-30" tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum | | 21_51116 |
| Operating frequency / 1 / rated value 50 Hz Auxiliary circuit Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 2 Operating current / of auxiliary contacts 2 Operating current / of auxiliary contacts 2 Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability Suitability Froduct details Product component • Trip indicator • Auxiliary switch Product function Product function Product function Product function Product function Product function Accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) • at 500 V / rated value Mechanical Design Mounting type fixed mounting Mounting position fixed mounting surface +/-180* rotatable, with vertical mounting surface +/-30* tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum Anabient temperature / during storage • minimum • maximum Anabient temperature / during storage • minimum • maximum | | 50 kA |
| Operating frequency / 1 / rated value 50 Hz Auxiliary circuit Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 2 Operating current / of auxiliary contacts 2 Operating current / of auxiliary contacts 2 Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability Suitability Froduct details Product component • Trip indicator • Auxiliary switch Product function Product function Product function Product function Product function Product function Accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) • at 500 V / rated value Mechanical Design Mounting type fixed mounting Mounting position fixed mounting surface +/-180* rotatable, with vertical mounting surface +/-30* tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum Anabient temperature / during storage • minimum • maximum Anabient temperature / during storage • minimum • maximum | Main circuit | |
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| Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability Suitability Product details Product component • Trip indicator • Auxiliary switch Product function Product function Product function Product function Product function • Overload protection Accessories accessories Accessories Accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) • at 500 V / rated value Mechanical Design Mounting type Mounting type Mounting position fixed mounting surface +/-180° rotatable, with vertical mounting surface +/-30° tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum - 20 °C Ambient temperature / during storage • minimum • maximum - 40 °C Amica - A | Auxiliary circuit | |
| Number of NO contacts / for auxiliary contacts 2 Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability for use Disconnecting means Product details Product component Trip indicator Auxiliary switch Product function Product function Product function Product function Product function Product function No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) at 500 V / rated value Mechanical Design Mounting type Mounting type Mounting position with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/-30° tiltable to the front and back Environmental conditions Ambient temperature / during operation maximum -20 °C Ambient temperature / during storage minimum maximum -40 °C Certificates | Number of CO contacts / for auxiliary contacts | 0 |
| Operating current / of auxiliary contacts / at AC-15 / at 230 V Suitability Suitability for use • Disconnecting means Product details Product details Product function • Auxiliary switch Product function • Overload protection Accessories accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) • at 500 V / rated value Mechanical Design Mounting type Mounting type Mounting position Mith vertical mounting surface +/- 80° tilable to the front and back Environmental conditions Ambient temperature / during operation • minimum • minimum • maximum Ambient temperature / during storage • minimum • maximum | Number of NC contacts / for auxiliary contacts | 2 |
| at 230 V Suitability Suitability for use Disconnecting means Product details Product component Trip indicator Auxiliary switch Product function Product function Product function Overload protection Accessories accessories Short circuit Maximum short-circuit current breaking capacity (Icu) at 500 V / rated value Mechanical Design Mounting type fixed mounting Mounting position With vertical mounting surface +/- 30° tiltable to the front and back Environmental conditions Ambient temperature / during operation minimum maximum maximum maximum maximum And °C eminimum maximum maximum maximum Bo °C Certificates | Number of NO contacts / for auxiliary contacts | 2 |
| Suitability for use Disconnecting means Product details Product component Trip indicator Auxiliary switch Product function Product function Product function Product function Accessories Accessories Short circuit Maximum short-circuit current breaking capacity (Icu) at 500 V / rated value Mechanical Design Mounting type Mounting position fixed mounting with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back Environmental conditions Ambient temperature / during operation minimum -20 °C Ambient temperature / during storage minimum -40 °C Ambient temperature / during storage minimum maximum -40 °C Certificates | | 6 A |
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| Product function Product function Overload protection Yes Accessories accessories No further Z accessories Short circuit Maximum short-circuit current breaking capacity (Icu) • at 500 V / rated value 66 kA Mechanical Design Mounting type fixed mounting Mounting position with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back Environmental conditions Ambient temperature / during operation • minimum • maximum 70 °C Ambient temperature / during storage • minimum • maximum -40 °C Environmental conditions Ambient temperature / during storage • minimum • maximum 80 °C | Trip indicator | No |
| Product function Overload protection Accessories Accessories Short circuit Maximum short-circuit current breaking capacity (Icu) In at 500 V / rated value Mechanical Design Mounting type Mounting position Mounting position Mounting position Fixed mounting surface +/-180° rotatable, with vertical mounting surface +/-30° tiltable to the front and back Environmental conditions Ambient temperature / during operation In maximum Ambient temperature / during storage In minimum In mini | Auxiliary switch | Yes |
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| minimum -20 °C maximum 70 °C Ambient temperature / during storage minimum -40 °C maximum 80 °C Certificates | | |
| maximum Ambient temperature / during storage minimum maximum 80 °C Certificates | Ambient temperature / during operation | |
| Ambient temperature / during storage • minimum • maximum -40 °C 80 °C Certificates | • minimum | -20 °C |
| minimum -40 °C maximum 80 °C Certificates | • maximum | 70 °C |
| • maximum 80 °C Certificates | Ambient temperature / during storage | |
| Certificates | • minimum | -40 °C |
| | • maximum | 80 °C |
| | Certificates | |
| 10000000 | | |

• acc. to DIN EN 61346-2

• acc. to DIN EN 81346-2

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General Product Declaration of Con-Test Certificates other **Approval** formity





Special Test Certificate

Miscellaneous

Further information

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

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WT8121-6AA00-0AA2

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

https://support.industry.siemens.com/cs/ww/en/ps/3WT8121-6AA00-0AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8121-6AA00-0AA2

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications