## **SIEMENS**

## **Data sheet**

## 3WT8322-5AA04-5AB2

withdrawable circuit breaker 3-pole, size 2 In=3200A to 500V, 50/60Hz AC Icu=66kA at 500V with mechanical lockout device with tripped signaling switch with tripped indicators with guide frame Overcurrent release ETU35WT LSI Setting range according to FS with display With manual operating mechanism with memory with mechanical calling without 1st auxiliary release without 2nd auxiliary release 2-piece shutter with sealing cap against unauthorized switching off with door sealing frame

| product brand name product designation gesign of the product design of the product design of the product design of the product design of the vector product design of the product design of the vector product  | Model   |                         |
|--|---|-------------------------|
| design of the product design of the actuating element estign of the vercurrent release ETU35WT  Ceneral technical data  number of poles 3 Field of application Size of the circuit breaker BI size of the circuit breaker | product brand name  | SENTRON                 |
| design of the actuating element design of the overcurrent release ETUSSWT    Convert technical data  | product designation   | 3WT air circuit breaker |
| design of the overcurrent release  General technical data  unwher of poles  3 Field of application  Size of the circuit-breaker  III  mechanical service life (operating cycles) typical electrical endurance (operating cycle | design of the product   | IEC 60947-2             |
| General technical data number of poles 3 Field of application CIRCUIT BREAKER size of the circuit-breaker III mechanical service life (operating cycles) typical 12 000 electrical endurance (operating cycles) typical 4000 utilization category B Diken-export Let-through current Ds_SJWT8 Country code EN circuit-breaker Design SJWT8 Country code EN circuit-breaker Design SJWT8 Country code EN LEC 204-2 according to DIN 40719 extended according to IEC 204-2 according to IEC 750  Voltage Rated operational voltage Ue max. 500 V Rated insulation voltage UI 1000 V  • insulation voltage (UI) at AC rated value 690 V • insulation voltage (UI) at AC rated value 1000 V  surge voltage resistance rated value 500 V perating voltage • at AC at 50/60 Hz rated value 500 V  Protection class IP  Main circuit number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 3 e disconnecting means Yes Product details product component • trip indicator • auxiliary switch • Yes Product duriction • overload protection  • overload protection • overload protection • overload protection  | design of the actuating element                               | Pushbutton              |
| mumber of poles 3 Field of application Circultheraker III mechanical service life (operating cycles) typical 12 000 electrical endurance (operating cycles) typical 12 000 electrical endurance (operating cycles) typical 12 000 electrical endurance (operating cycles) typical 15 000 Electrical endurance (operating cycles) typical 16 000 Electrical endurance (operating cycles) typical 17 000 Electrical endurance (operating cycles) typical 18 B Diken-export Let-through current DS_3WT8 Country code EN   | design of the overcurrent release                             | ETU35WT                 |
| Field of application size of the circuit-breaker size of the circuit size of the circu | General technical data  |                         |
| size of the circuit-breaker  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) typical  utilization category  B  Diken-export Let-through current  DS_3WT8  Country code  circuit-breaker Design  reference code according to DIN 40719 extended according to life 20-42 according to EC 750  Voltage  Rated operational voltage U max.  Rated operational voltage U max.  Fated insulation voltage rated value  insulation voltage resistance rated value  insulation voltage resistance rated value  operating voltage  at AC at 50/60 Hz rated value  b at AC at 50/60 Hz rated value  protection class IP  Main circuit  operating frequency 1 rated value  AUSITIANY circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  product details  product details  product details  product function  e overload protection  Ves   | number of poles   | 3                       |
| mechanical service life (operating cycles) typical 12 000 electrical endurance (operating cycles) typical 4 000 utilization category B Diken-export Let-through current DS_3WT8 Country code EN circuit-breaker Design 3WT8 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Voltage Rated operational voltage Ue max. 500 V Rated insulation voltage Ui 1 000 V  • insulation voltage Ui 21 AC rated value 690 V • insulation voltage (Ui) at AC rated value 1000 V surge voltage resistance rated value 500 V  perating voltage • at AC at 50/60 Hz rated value 500 V  Main circuit operating frequency 1 rated value 50 Hz number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 2 operational current of auxiliary contacts at AC-15 at 230 V 6 A Sulfability sulfability sulfability sulfability sulfability for use • disconnecting means Yes Product function • overload protection 1990 • overload protection Yes  | Field of application  | CIRCUIT BREAKER         |
| electrical endurance (operating cycles) typical 4 000  utilization category B B B B B B B B B B B B B B B B B B B  | size of the circuit-breaker                                   | II                      |
| utilization category  Diken-export Let-through current  Day 3WT8  Country code  circuit-breaker Design reference code according to DIN 40719 extended according to IEC 204.2 according to IEC 750  Voltage  Rated operational voltage Ue max. 500 V  Rated insulation voltage Ui  insulation voltage Uii  1 000 V  insulation voltage (Ui) at AC rated value insulation voltage (Ui) at AC rated value  operating voltage at AC at 5060 Hz rated value  Toportoction class IP  Protection class IP  Main circuit  operating frequency 1 rated value  100 V  Main circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  operating or auxiliary contacts 2  operational current of auxiliary contacts 4  operational current of auxiliary contacts 5  of A  Sultability for use  olsconnecting means  Yes  Product function  in indicator  No  auxiliary switch  Product function  product function  overload protection  Yes  | mechanical service life (operating cycles) typical            | 12 000                  |
| Diken-export Let-through current Country code EN Country code EN reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Voltage Rated operational voltage Ue max. Sou V Rated insulation voltage Ue max. Found the insulation voltage Ue max. Found the insulation voltage Ui  insulation voltage rated value insulation voltage (Ui) at AC rated value for insulation voltage (Ui) at AC rated value for insulation voltage resistance rated value for insulation voltage for the voltage voltage for the voltage for the voltage for the voltage for the voltage | electrical endurance (operating cycles) typical               | 4 000                   |
| Country code circuit-breaker Design reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  Voltage  Rated operational voltage Ue max.  Rated insulation voltage UE  insulation voltage util 1000 V  insulation voltage rated value  insulation voltage (Ui) at AC rated value 1000 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  Main circuit 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 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 operational current of auxiliary contacts 12 operational current of auxiliary contacts 2 operational current of auxiliary contacts 12 operational current of auxiliary contacts 14 AC-15 at 230 V  Sultability  Product datalis  product component ipi indicator No auxiliary switch Yes  Product function product function overload protection Yes   | utilization category  | В                       |
| circuit-breaker Design reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  Voltage  Rated operational voltage Ue max. 500 V Rated insulation voltage Ue max. 500 V  e insulation voltage rated value 690 V • insulation voltage (Ui) at AC rated value 1000 V  surge voltage resistance rated value 12 kV operating voltage • at AC at 50/60 Hz rated value 500 V  Protection class P protection class IP  Main circuit 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 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 AC-15 at 230 V 6 A  Sultability sultability for us • disconnecting means  Yes  Product details  product details  product component • trip indicator No • auxiliary switch  Yes  | Diken-export Let-through current                              | DS_3WT8                 |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  Voltage  Rated operational voltage U max. 500 V  Rated insulation voltage II 1000 V   • insulation voltage rated value 690 V • insulation voltage (Ui) at AC rated value 1000 V  surge voltage resistance rated value 212 kV operating voltage 500 V  • at AC at 50/60 Hz rated value 500 V  Protection class IP IP20  Main circuit operating frequency 1 rated value 50 Hz Auxiliary circuit Inumber of CO contacts for auxiliary contacts 12 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 coperational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability suitability for use • disconnecting means Yes  Product details  product component • trip indicator Ves Product function 9 overload protection 19 o | Country code  | EN                      |
| Voltage  Rated operational voltage Ue max.  Rated insulation voltage Ui  insulation voltage rated value  insulation voltage (Ui) at AC rated value  insulation voltage (Ui) at AC rated value  insulation voltage resistance rated value  insulation voltage (Ui) at AC rated value  insulation voltage (Ui) at AC rated value  insulation voltage resistance rated value  insulation voltage | circuit-breaker Design  | 3WT8                    |
| Rated operational voltage Ue max.  Rated insulation voltage Ui  insulation voltage rated value  insulation voltage rated value  insulation voltage (Ui) at AC rated value  1 000 V  surge voltage resistance rated value  1 2 kV  operating voltage  at AC at 50/60 Hz rated value  500 V  Protection class IP  IP20  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability for use  disconnecting means  Yes  Product details  product component  it rip indicator  auxiliary switch  Yes  Product function  product function  o overload protection  Yes  |   | Q                       |
| Rated insulation voltage Ui  insulation voltage rated value insulation voltage (Ui) at AC rated value insulation voltage (Ui) at AC rated value  operating voltage resistance rated value  operating voltage  at AC at 50/60 Hz rated value  operating voltage  at AC at 50/60 Hz rated value  operating rocuss  protection class IP  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current of auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability or us  disconnecting means  Yes  Product details  product component  trip indicator  auxiliary switch  Product function  product function  product function  o overload protection  Yes  | Voltage   |                         |
| insulation voltage rated value insulation voltage (Ui) at AC rated value 1 000 V surge voltage resistance rated value 2 kV operating voltage at AC at 50/60 Hz rated value 500 V  Protection class protection class IP IP20 Main circuit 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 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts 2 operational current of auxiliary contacts at AC-15 at 230 V Suitability suitability for use disconnecting means Yes  Product details product component trip indicator auxiliary switch Product function overload protection Yes  | Rated operational voltage Ue max.                             | 500 V                   |
| insulation voltage (Ui) at AC rated value  surge voltage resistance rated value  operating voltage  in at AC at 50/60 Hz rated value  500 V  Protection class  protection class IP  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts 2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability  suitability for use  olisconnecting means  Product component  in trip indicator  outproduct function  product function  overload protection  Yes  | Rated insulation voltage Ui                                   | 1 000 V                 |
| insulation voltage (Ui) at AC rated value  surge voltage resistance rated value  operating voltage  in at AC at 50/60 Hz rated value  500 V  Protection class  protection class IP  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts 2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability  suitability for use  olisconnecting means  Product component  in trip indicator  outproduct function  product function  overload protection  Yes  |   |                         |
| surge voltage resistance rated value  operating voltage  • at AC at 50/60 Hz rated value  Frotection class  protection class IP  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 contacts for auxiliary contacts  2 coperational current of auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability for use  • disconnecting means  Yes  Product details  product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes   | <ul> <li>insulation voltage rated value</li> </ul>            | 690 V                   |
| operating voltage  • at AC at 50/60 Hz rated value  Protection class  protection class IP  IP20  Main circuit  operating frequency 1 rated value  50 Hz  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  2 number of NO contacts for auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability for use  • disconnecting means  Yes  Product details  product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes  | <ul> <li>insulation voltage (Ui) at AC rated value</li> </ul> | 1 000 V                 |
| * at AC at 50/60 Hz rated value 500 V  Protection class protection class IP IP20  Main circuit  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 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts 4 AC-15 at 230 V 6 A  Suitability  suitability for use     * disconnecting means Yes  Product details  product component     * trip indicator No     * auxiliary switch Yes  Product function  product function     * overload protection Yes   | surge voltage resistance rated value                          | 12 kV                   |
| protection class IP IP20  Main circuit 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 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts 4 AC-15 at 230 V 6 A  Suitability suitability for use  • disconnecting means Yes  Product details  product component • trip indicator No • auxiliary switch Yes  Product function product function • overload protection Yes  | operating voltage   |                         |
| protection class IP IP20  Main circuit  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 number of NO contacts for auxiliary contacts 2 operational current of auxiliary contacts at AC-15 at 230 V 6 A  Suitability  suitability for use  • disconnecting means Yes  Product details  product component  • trip indicator No • auxiliary switch Yes  Product function  product function  • overload protection Yes   | <ul> <li>at AC at 50/60 Hz rated value</li> </ul>             | 500 V                   |
| Main circuit  operating frequency 1 rated value  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  2 number of NO contacts for auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability  suitability for use  • disconnecting means  Yes  Product details  product component  • trip indicator  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes   | Protection class  |                         |
| operating frequency 1 rated value  Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  2 number of NO contacts for auxiliary contacts  2 operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability for use  • disconnecting means  Yes  Product details  product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes  | protection class IP   | IP20                    |
| Auxiliary circuit  number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current of auxiliary contacts at AC-15 at 230 V  6 A  Suitability  suitability for use  • disconnecting means  Product details  product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  10 0  0 0  0 0  0 0  0 0  0 0  0 0  0   | Main circuit  |                         |
| number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  poperational 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  o overload protection  Yes  | operating frequency 1 rated value                             | 50 Hz                   |
| number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current of auxiliary contacts at AC-15 at 230 V  Suitability  suitability for use  olisconnecting means  Product details  product component  otrip indicator  auxiliary switch  Product function  product function  overload protection  2  NO  4  NO  Yes   | Auxiliary circuit   |                         |
| number of NO contacts for auxiliary contacts  operational 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  • overload protection  Yes   | number of CO contacts for auxiliary contacts                  | 0                       |
| operational 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  • overload protection  Yes   | number of NC contacts for auxiliary contacts                  | 2                       |
| Suitability suitability for use  | 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  • overload protection  Yes   | operational current of auxiliary contacts at AC-15 at 230 V   | 6 A                     |
| <ul> <li>disconnecting means</li> <li>Product details</li> <li>product component <ul> <li>trip indicator</li> <li>auxiliary switch</li> </ul> </li> <li>Product function</li> <li>product function</li> <li>overload protection</li> </ul> <li>Yes</li>  | Suitability   |                         |
| Product details  product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes   | suitability for use   |                         |
| product component  • trip indicator  • auxiliary switch  Product function  product function  • overload protection  Yes  | <ul> <li>disconnecting means</li> </ul>                       | Yes                     |
| <ul> <li>trip indicator</li> <li>auxiliary switch</li> <li>Product function</li> <li>product function</li> <li>overload protection</li> <li>Yes</li> </ul>   | Product details   |                         |
| <ul> <li>auxiliary switch</li> <li>Product function</li> <li>product function</li> <li>overload protection</li> <li>Yes</li> </ul>   | product component   |                         |
| Product function  product function  ● overload protection  Yes   | • trip indicator  | No                      |
| product function  • overload protection  Yes   | <ul> <li>auxiliary switch</li> </ul>                          | Yes                     |
| • overload protection Yes  | Product function  |                         |
|  | product function  |                         |
| Short circuit  | <ul> <li>overload protection</li> </ul>                       | Yes                     |
|  | Short circuit   |                         |

maximum short-circuit current breaking capacity (Icu) 66 kA • at 500 V rated value Connections type of connectable conductor cross-sections for auxiliary contacts 1x (0.5 ... 2.5) mm2; 1x AWG 14 • finely stranded with core end processing 2x 1.0 mm2 Mechanical Design fastening method drawer unit with vertical mounting surface +/-180° rotatable, with vertical mounting surface mounting position +/- 30° tiltable to the front and back ambient temperature during operation minimum -20 °C • maximum 70 °C ambient temperature during storage • minimum -40 °C maximum 80 °C Certificates reference code • according to EN 61346-2 Q • according to IEC 81346-2 Q **Approvals Certificates General Product Approval Test Certificates** 



Confirmation







**Miscellaneous** 

| other                |              | Dangerous Good        | Environment                 |                                  |  |
|----------------------|--------------|-----------------------|-----------------------------|----------------------------------|--|
| <u>Miscellaneous</u> | Confirmation | Transport Information | Environmental Confirmations | Environmental Con-<br>firmations |  |

## Further information

Information on the packaging

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

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=3WT8322-5AA04-5AB2

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

https://support.industry.siemens.com/cs/ww/en/ps/3WT8322-5AA04-5AB2

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3WT8322-5AA04-5AB2

**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

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