

fixed-mounted circuit breaker 4-pole, size 1  $I_n=1600A$  to 500V, 50/60Hz AC  
 $I_{cu}=66kA$  at 500V with mechanical lockout device with tripped signaling switch with  
 tripped indicators 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 With door sealing  
 frame with sealing cap against unauthorized switching off

Model	
product brand name	SENTRON
product designation	3WT air circuit breaker
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
design of the overcurrent release	ETU35WT
General technical data	
number of poles	4
Field of application	CIRCUIT BREAKER
size of the circuit-breaker	I
mechanical service life (operating cycles) typical	16 000
electrical endurance (operating cycles) typical	10 000
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	Q
Voltage	
Rated operational voltage $U_e$ max.	500 V
Rated insulation voltage $U_i$	1 000 V
<ul style="list-style-type: none"> <li>insulation voltage rated value</li> <li>insulation voltage (<math>U_i</math>) at AC rated value</li> </ul>	690 V 1 000 V
surge voltage resistance rated value	12 kV
operating voltage <ul style="list-style-type: none"> <li>at AC at 50/60 Hz rated value</li> </ul>	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 at AC-15 at 230 V	6 A
Suitability	
suitability for use <ul style="list-style-type: none"> <li>disconnecting means</li> </ul>	Yes
Product details	
product component <ul style="list-style-type: none"> <li>trip indicator</li> <li>auxiliary switch</li> </ul>	No Yes
Product function	
product function <ul style="list-style-type: none"> <li>overload protection</li> </ul>	Yes
Short circuit	
maximum short-circuit current breaking capacity ( $I_{cu}$ )	

- at 500 V rated value

66 kA

#### Connections

type of connectable conductor cross-sections for auxiliary contacts

- solid
- finely stranded with core end processing

1x (0.5 ... 2.5) mm<sup>2</sup>; 1x AWG 14  
2x 1.0 mm<sup>2</sup>

#### Mechanical Design

fastening method

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

-20 °C  
70 °C

ambient temperature during storage

- minimum
- maximum

-40 °C  
80 °C

#### Certificates

reference code

- according to EN 61346-2
- according to IEC 81346-2

Q  
Q

#### Approvals Certificates

General Product Approval

Test Certificates

other

[Confirmation](#)



[Special Test Certificate](#)

[Confirmation](#)

[Miscellaneous](#)

#### Environment

[Environmental Confirmations](#)

#### 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=3WT8165-5AA00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8165-5AA00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WT8165-5AA00-0AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8165-5AA00-0AA2)

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

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