

fixed-mounted circuit breaker 3-pole, size 1 In=1600A to 500V, 50/60Hz AC Icu=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

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	ETU35WT

General technical data	
Number of poles	3
Field of application	CIRCUIT BREAKER
Size of the circuit-breaker	I
Electrical endurance (switching cycles) / typical	10 000
Usage category	B
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 according to IEC 204-2 / acc. to IEC 750	Q

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	
Diken-export / Let-through energy	I2T_3WT8

Short-time withstand current (I <sub>cw</sub> )	
• at AC / at 415 V / limited to 0.5 s / rated value	50 kA
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
Operating 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
Accessories	
accessories	No further Z accessories
Short circuit	
Maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
• 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	-20 °C
• maximum	70 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
Certificates	
Reference code	
• acc. to DIN EN 61346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	other
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CCC



EG-Konf.

[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=3WT8161-5AA00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8161-5AA00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WT8161-5AA00-0AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8161-5AA00-0AA2)

### CAX-Online-Generator

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

### Tender specifications

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