

withdrawable circuit breaker 4-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 with guide frame Overcurrent release ETU35WT LSI Setting range according to FS with display Motorized/manual operating mechanism with memory with electrical and mechanical activation Motor and electr. calling for 220...240 V AC, 220...250 V DC Activation solenoid 220...250 V DC without 1st auxiliary release With 2nd auxiliary release Shunt release "F", F2 220...240 V AC, 220...250 V DC switch position-depending Auxiliary current switch 2 NC+2 NO 2-piece shutter with sealing cap against unauthorized switching off 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	4
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	
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Protection class IP	IP20
Current	
Diken-export / Let-through energy	I2T_3WT8
Short-time withstand current (Icw) <ul style="list-style-type: none"><li>at AC / at 415 V / limited to 0.5 s / rated value</li></ul>	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 <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
Accessories	
accessories	Shutter + sealing cap via OFF
Short circuit	
Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"><li>at 500 V / rated value</li></ul>	66 kA
Mechanical Design	
Mounting type	drawer unit
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 <ul style="list-style-type: none"><li>minimum</li><li>maximum</li></ul>	-20 °C 70 °C
Ambient temperature / during storage <ul style="list-style-type: none"><li>minimum</li><li>maximum</li></ul>	-40 °C 80 °C

## Certificates

### Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval	Declaration of Conformity	Test Certificates	other
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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=3WT8165-5UA34-5AB2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8165-5UA34-5AB2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WT8165-5UA34-5AB2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8165-5UA34-5AB2)

### CAX-Online-Generator

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

### Tender specifications

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