

withdrawable circuit breaker 3-pole, size 2 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 rear horizontal connection on top rear vertical connection on bottom 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 With 1st auxiliary release Shunt release "F", F1 110...127 V AC, 110...125 V DC without 2nd auxiliary release 2-piece shutter Locking devices against opening the cabinet door if switch in operating position with door sealing frame with sealing cap against unauthorized switching off Position signaling switch 3 NO+3 NC, 2 NO+2 NC, 1 NO+1 NC

Model	
Product brand name	SETRON
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	II
Electrical endurance (switching cycles) / typical	4 000
Usage category	B
Diken-export / Let-through current	DS_3WT8
Country code	EN
circuit-breaker / Design	3WT8
Mechanical service life (switching cycles) / typical	12 000
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

<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>at AC / at 50/60 Hz / rated value</li> </ul>	500 V
<b>Protection class</b>	
Protection class IP	IP20
<b>Current</b>	
Diken-export / Let-through energy	I2T_3WT8
Short-time withstand current (I <sub>cw</sub> )	
<ul style="list-style-type: none"> <li>at AC / at 415 V / limited to 0.5 s / rated value</li> </ul>	66 kA
<b>Main circuit</b>	
Operating frequency / 1 / rated value	50 Hz
<b>Auxiliary circuit</b>	
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
<b>Suitability</b>	
Suitability for use	
<ul style="list-style-type: none"> <li>Disconnecting means</li> </ul>	Yes
<b>Product details</b>	
Product component	
<ul style="list-style-type: none"> <li>Trip indicator</li> <li>Auxiliary switch</li> </ul>	No Yes
<b>Product function</b>	
Product function	
<ul style="list-style-type: none"> <li>Overload protection</li> </ul>	Yes
<b>Accessories</b>	
accessories	Shutter + sealing cap via OFF + door interlocking + position signaling switch
<b>Short circuit</b>	
Maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
<ul style="list-style-type: none"> <li>at 500 V / rated value</li> </ul>	66 kA
<b>Mechanical Design</b>	
Mounting type	drawer unit
Mounting position	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
<b>Environmental conditions</b>	
Ambient temperature / during operation	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-20 °C

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	70 °C
Ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	80 °C

## Certificates

Reference code	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	Q
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	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=3WT8162-5UF08-5BC2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8162-5UF08-5BC2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WT8162-5UF08-5BC2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8162-5UF08-5BC2)

### CAX-Online-Generator

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

### Tender specifications

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