

withdrawable circuit breaker 3-pole, size 1 In=1000A to 500V, 50/60Hz AC Icu=66kA at 500V with mechanical lockout device with tripped signaling switch with tripped indicators with guide frame rated short-time current strength ICW 66kA/S, 3-pole rear horizontal connection on top rear vertical connection on bottom Overcurrent release ETU37WT LSING 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 220...240 V AC, 220...250 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	ETU37WT

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

<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>	50 kA
<b>Main circuit</b>	
Operating frequency / 1 / rated value	50 Hz
<b>Auxiliary circuit</b>	
Number of CO contacts / for auxiliary contacts	2
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

• maximum	70 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C

## Certificates

Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	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=3WT8101-6UG48-5BC2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8101-6UG48-5BC2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WT8101-6UG48-5BC2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8101-6UG48-5BC2)

### CAX-Online-Generator

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

### Tender specifications

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