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Data sheet 3WT8256-6UA30-0AA2

fixed-mounted circuit breaker 4-pole, size 2 In=2500A to 500V, 50/60Hz AC Icu=66kA at 500V with mechanical lockout device with tripped signaling switch with tripped indicators 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 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 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 operating mechanism	Pushbutton
Design of the overcurrent release	ETU37WT

General technical data	
Number of poles	4
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
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)	
• at AC / at 415 V / limited to 0.5 s / rated value	66 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 (Icu)	
• 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

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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
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=3WT8256-6UA30-0AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WT8256-6UA30-0AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8256-6UA30-0AA2

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

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