

withdrawable 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 with guide frame 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 24 V DC Activation solenoid 24 V DC With 1st auxiliary release Undervoltage release "R", F3 24 V DC instantaneous without 2nd auxiliary release 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 actuating element	Pushbutton
type of the driving mechanism	Motorized operating mechanism 24 V DC, activation solenoid 24 V DC
type of the driving mechanism motor drive	Yes
design of the overcurrent release	ETU37WT
General technical data	
number of poles	3
Field of application	CIRCUIT BREAKER
size of the circuit-breaker	I
mechanical service life (operating cycles) typical	10 000
electrical endurance (operating cycles) typical	6 000
utilization category	B
Diken-export Let-through current	DS_3WT8
Country code	EN
circuit-breaker Design	3WT8
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	Q
Voltage	
Rated operational voltage Ue max.	500 V
Rated insulation voltage Ui	1 000 V
<ul style="list-style-type: none"> insulation voltage rated value insulation voltage (Ui) at AC rated value 	690 V 1 000 V
surge voltage resistance rated value	12 kV
operating voltage	
<ul style="list-style-type: none"> at AC at 50/60 Hz rated value 	500 V
Protection class	
protection class IP	IP20
protection function of the overcurrent release	LSING
Main circuit	
operating frequency 1 rated value	50 Hz
Auxiliary circuit	
number of CO contacts for auxiliary contacts	2
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
operational current of auxiliary contacts at AC-15 at 230 V	6 A
Suitability	
suitability for use	Line / motor protection
<ul style="list-style-type: none"> disconnecting means 	Yes
Adjustable parameters	
adjustable current response value current of the current-dependent overload release initial value	640 A
Product details	
product component	

<ul style="list-style-type: none"> • auxiliary switch • voltage trigger • undervoltage release 	Yes No Yes No
product extension optional motor drive	No
Product function	
product function <ul style="list-style-type: none"> • of thermal overload trip unit • grounding protection • for neutral conductors short-circuit and overload proof • overload protection 	adjustable Yes Yes Yes
Short circuit	
operating short-circuit current breaking capacity (Ics)	
<ul style="list-style-type: none"> • at 240 V rated value • at 415 V rated value • at 500 V rated value 	66 kA 66 kA 66 kA
maximum short-circuit current breaking capacity (Icu)	
<ul style="list-style-type: none"> • at 240 V rated value • at 400 V rated value • at 415 V rated value • at 440 V rated value • at 480 V rated value • at 500 V rated value 	66 kA 66 kA 66 kA 66 kA 66 kA 66 kA
Connections	
arrangement of electrical connectors for main current circuit	Main connection horizontal on rear (IEC 947-2 standard)
type of connectable conductor cross-sections for auxiliary contacts	
<ul style="list-style-type: none"> • solid • finely stranded with core end processing 	1x (0.5 ... 2.5) mm ² ; 1x AWG 14 2x 1.0 mm ²
type of electrical connection for main current circuit	busbar connection
Mechanical Design	
fastening method	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"> • minimum • maximum 	-20 °C 70 °C
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 80 °C
Certificates	
reference code	
<ul style="list-style-type: none"> • according to EN 61346-2 • according to IEC 81346-2 	Q Q
General Product Approval	
Declaration of Conformity	



[Confirmation](#)



Test Certificates	other	Dangerous Good	Environment
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[Special Test Certificate](#)

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[Transport Information](#)

[Environmental Conformations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3WT8161-6GH44-5AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8161-6GH44-5AA2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8161-6GH44-5AA2

CAX-Online-Generator

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

Tender specifications

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



