

withdrawable circuit breaker 3-pole, size 1 In=800A 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 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 With 2nd auxiliary release Shunt release "F", F2 24 V DC switch position-dependent 1st + 2nd auxiliary current switch block 2 NO + 2 NC - 2 CO 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	500 V
<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	320 A

Product details	
product component	
<ul style="list-style-type: none"> • auxiliary switch • voltage trigger • undervoltage release 	Yes No Yes
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](#)



EG-Konf.

Test Certificates

other

Dangerous Good

Environment

[Special Test Certificate](#)

[Confirmation](#)

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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=3WT8081-6GH54-5AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WT8081-6GH54-5AA2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WT8081-6GH54-5AA2

CAX-Online-Generator

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

Tender specifications

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



