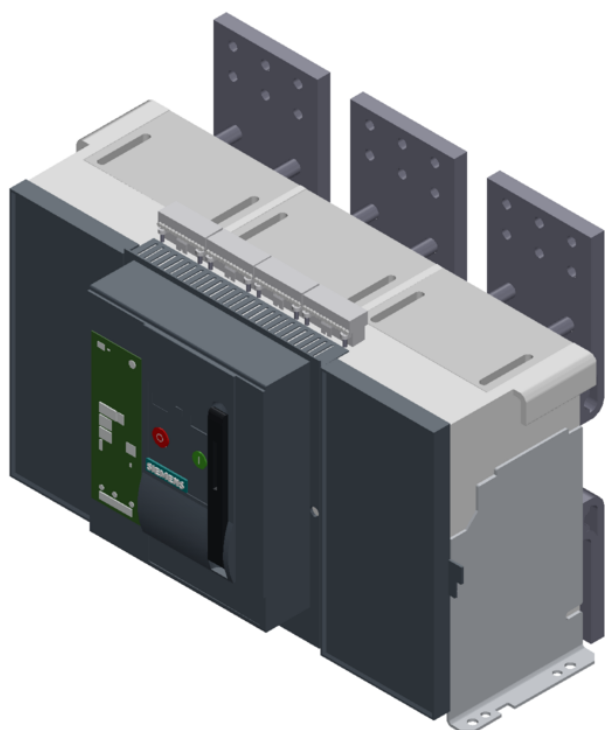


Fixed-mounted circuit breaker 3-pole, Size 3, IEC
In=4000 A up to 690 V, 50/60 Hz AC Icu=100 kA at 500
V Front connection top/bottom double hole



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the product		IEC 60947-2
Design of the auxiliary switch		2 NO + 2 NC
Design of the operating mechanism		Pushbutton
Type of the driving mechanism		Manual/motorized operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive		Yes
Design of the overcurrent release		ETU25B

General technical data		
Number of poles		3
Size of the circuit-breaker		3
Electrical endurance (switching cycles) / typical		10 000
Usage category		B
circuit-breaker / Design		3WL1340
Mechanical service life (switching cycles) / typical		10 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI

Dissipation		
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	W	173.3

Electricity		
Operating current / at 45 °C / rated value	A	4 000
Continuous current / rated value	A	4 000
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	50 000
• of instantaneous short-circuit trip unit / Full-scale value	A	50 000
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	100
• limited to 1 s / rated value	kA	100
• limited to 2 s / rated value	kA	80
• limited to 3 s / rated value	kA	65

Main circuit		
Operating frequency		
• 1 / rated value	Hz	50

• 2 / rated value	Hz	60
Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690
Operating current		
• at 40 °C / rated value	A	4 000
• at 50 °C / rated value	A	4 000
• at 55 °C / rated value	A	4 000
• at 60 °C / rated value	A	4 000
• at 65 °C / rated value	A	4 000
• at 70 °C / rated value	A	4 000

Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		2
Number of NO contacts / for auxiliary contacts		2

Suitability		
Suitability for use		Plant / motor protection

Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		Yes
Product extension / optional / motor drive		No

Product function		
Product function		
• Ground fault protection		No

Display and operation		
Display version		without display

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
• at 1000/1150 V / rated value	kA	50

Connections		
Arrangement of electrical connectors / for main current circuit		Main connection top front/bottom double hole

Type of electrical connection / for main current circuit		busbar connection
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Mechanical Design

Height	mm	507
Width	mm	704
Depth	mm	379
Mounting type		fixed mounting

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

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	Shipping Approval
 CCC	 VDE	 EG-Konf.	Miscellaneous Special Test Certificate  ABS

Shipping Approval					
 BUREAU VERITAS	 DNV	 GL	 LRS	 PRS	 RMRS

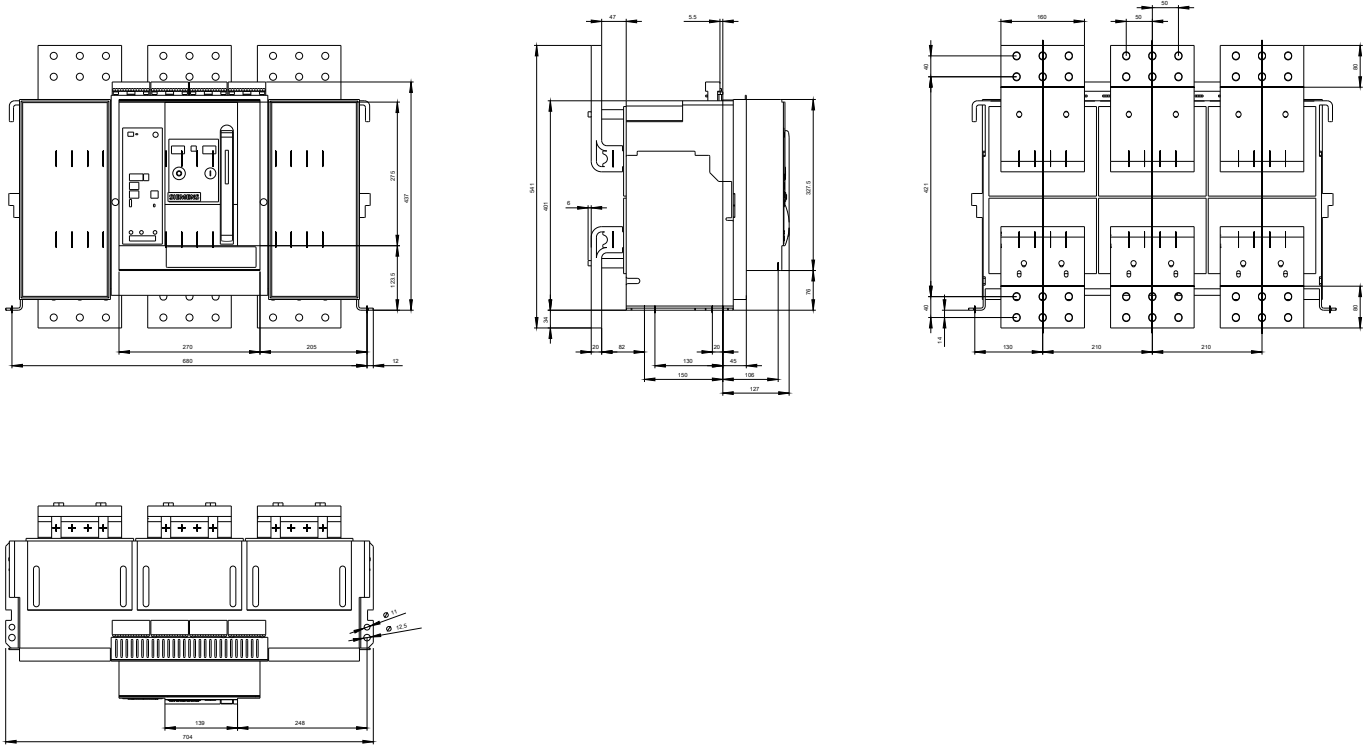
other
Environmental Confirmations Miscellaneous

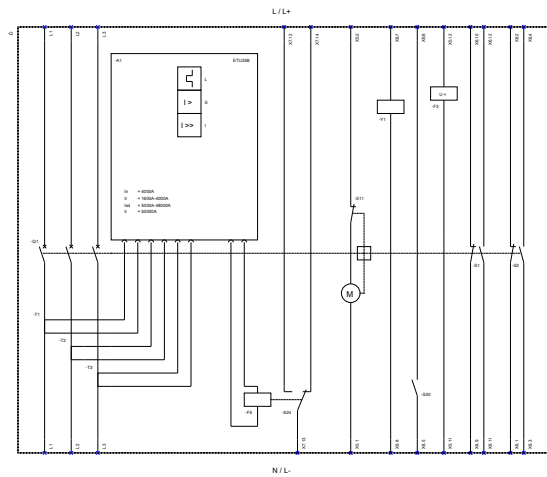
Further information

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4CB34-4AN2-Z C22+K07>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4CB34-4AN2-Z C22+K07>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4CB34-4AN2-Z C22+K07





1 (Long Time Delay / Überstromschutz) 2 (Short Time Delay / Kurzstromschutz, kurzzeitsensitiv) 3 (Instantaneous / Kurzstromschutz, unempfindlich)
 S17 (Interlocking switch / Verriegelungsschalter, 4-pole / 4-polig) S18 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig)
 P1 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig) S19 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig)
 S20 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig) S21 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig) S22 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig)
 S23 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig) S24 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig) S25 (Interlocking switch / Verriegelungsschalter, 2-pole / 2-polig)

last modified:

06/11/2018