## **SIEMENS**

## **Data sheet**

## 3WL5340-4EB31-1AA2

fixed-mounted circuit breaker approved to UL489 3-pole, BG III, In=4000A AC 50/60 Hz, IEC: to 690V, 100kA at 440V ul: to 600y/ 347, 100kA at 480V rear connection vertical Overcurrent release ETU45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC

Model		
product brand name	SENTRON	
product designation	ACB	
design of the product	IEC 60947-2, UL 489 / CSA-C22.2 No. 5-02	
design of the actuating element	Pushbutton	
type of the driving mechanism	Manual operating mechanism with mechanical closing	
type of the driving mechanism / motor drive	No	
design of the overcurrent release	ETU45B	
General technical data		
number of poles	3	
size of the circuit-breaker	3	
utilization category	В	
circuit-breaker / Design	3WL5	
Voltage		
Rated insulation voltage Ui	1 000 V	
insulation voltage / rated value	1 000 V	
operating voltage		
• for main current circuit / at AC / at 50 Hz / according to UL 489 / maximum	600 V	
• for main current circuit / at AC / at 60 Hz / according to UL 489 / maximum	600 V	
Protection class		
protection class IP	IP20	
<ul> <li>protection class IP / on the front</li> </ul>	IP20	
protection function of the overcurrent release	LSIN	
Dissipation		
power loss [W]		
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	173.3 W	
maximum	520 W	
Main circuit		
operating frequency		
• 1 / rated value	50 Hz	
• 2 / rated value	60 Hz	
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	
Adjustable parameters		
adjustable current response value current / of the current- dependent overload release / initial value	1 600 A	
Product details		
product component		
• trip indicator	Yes	
<ul> <li>voltage trigger</li> </ul>	No	
undervoltage release	No	
design of the auxiliary switch	2 NO + 2 NC	

product extension / optional / motor drive	Yes
Product function	
product function	
<ul> <li>grounding protection</li> </ul>	No
<ul> <li>phase failure detection</li> </ul>	Yes
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (lcs)	
• at 415 V / rated value	100 kA
<ul><li>at 500 V / rated value</li></ul>	100 kA
<ul><li>at 690 V / rated value</li></ul>	85 kA
maximum short-circuit current breaking capacity (Icu)	
at 415 V / rated value	100 kA
<ul> <li>at 480 V / according to NEMA / rated value</li> </ul>	100 kA
<ul><li>at 500 V / rated value</li></ul>	100 kA
<ul> <li>at 600 V / according to NEMA / rated value</li> </ul>	85 kA
<ul><li>at 690 V / rated value</li></ul>	85 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main terminal on the rear vertical
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	439 mm
width	704 mm
depth	419 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C
Further information	

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

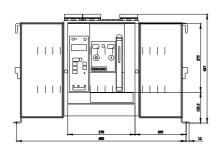
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL5340-4EB31-1AA2

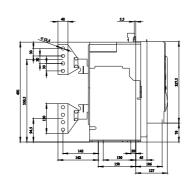
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL5340-4EB31-1AA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3WL5340-4EB31-1AA2

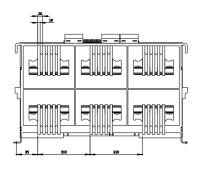
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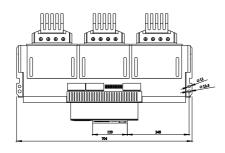
http://www.siemens.com/cax

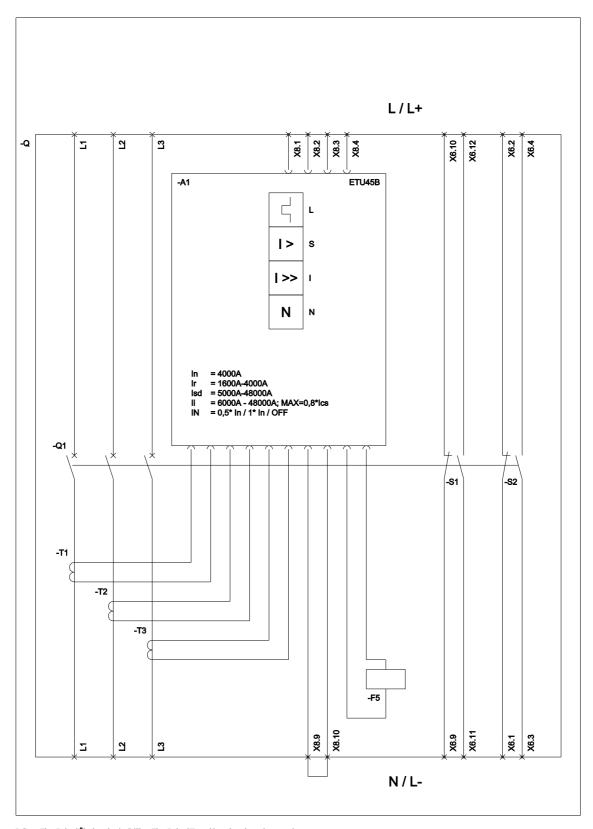
Tender specifications http://www.siemens.com/specifications











L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

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