

withdrawable circuit breaker with guide frame 4-pole, size III, IEC In=5000A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with display and cubicle bus with ground fault protection Opt.: Comm./measuring func./ZSS With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC

Model	
product brand name	SETRON
product designation	ACB
design of the product	IEC 60947-2
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	4
size of the circuit-breaker	3
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
• protection class IP / on the front	IP20
• protection function of the overcurrent release	LSING
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	350 W
• maximum	1 050 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
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
• grounding protection	Yes
• phase failure detection	Yes

Display and operation		
display version	WITH 4-LINE DISPLAY	
Short circuit		
operating short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	100 kA	
• at 500 V / rated value	100 kA	
• at 690 V / rated value	85 kA	
maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	100 kA	
• at 500 V / rated value	100 kA	
• at 690 V / rated value	85 kA	
Connections		
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal	
type of electrical connection / for main current circuit	busbar connection	
Mechanical Design		
height	466.5 mm	
width	914 mm	
depth	456 mm	
fastening method	drawer unit	
Environmental conditions		
ambient temperature / during operation		
• minimum	-20 °C	
• maximum	55 °C	
ambient temperature / during storage		
• minimum	-40 °C	
• maximum	70 °C	
General Product Approval		EMC
		Declaration of Conformity



[Confirmation](#)



Test Certificates			Marine / Shipping		
Miscellaneous	Special Test Certificate	Type Test Certificates/Test Report			
Marine / Shipping			other		



[CCS / China Classification Society](#)



[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

Dangerous Good	Environment
Transport Information	Environmental Confirmations

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=3WL1350-4FG46-1AA2>

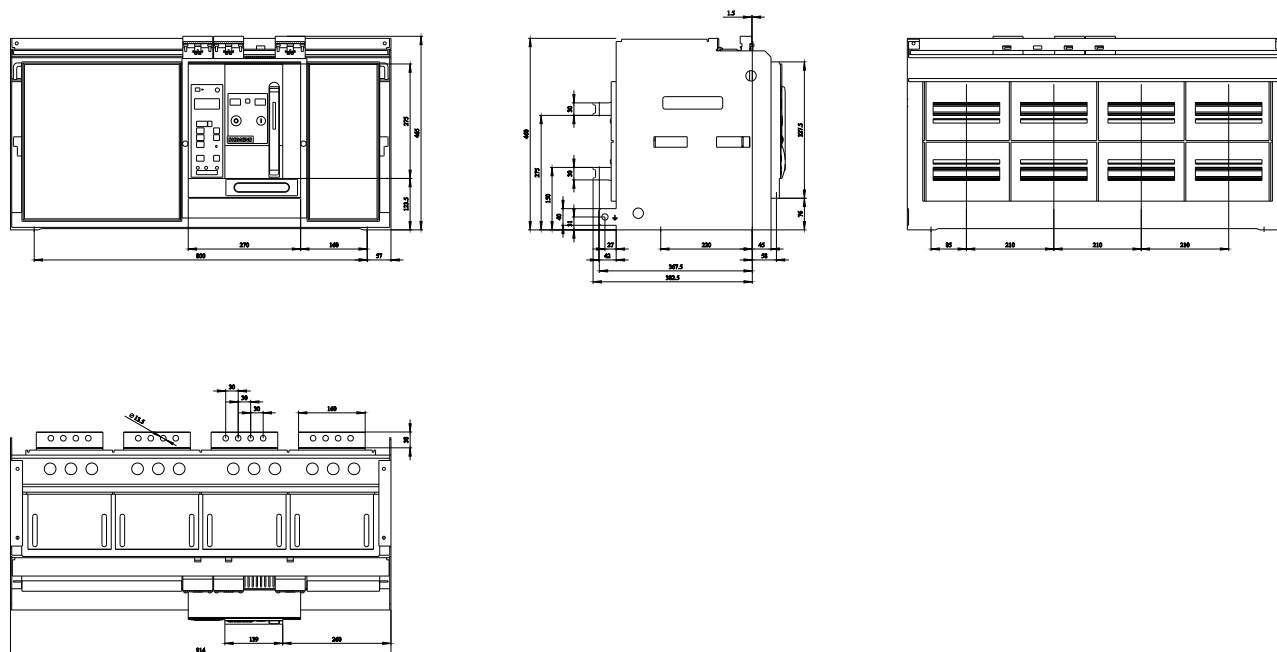
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

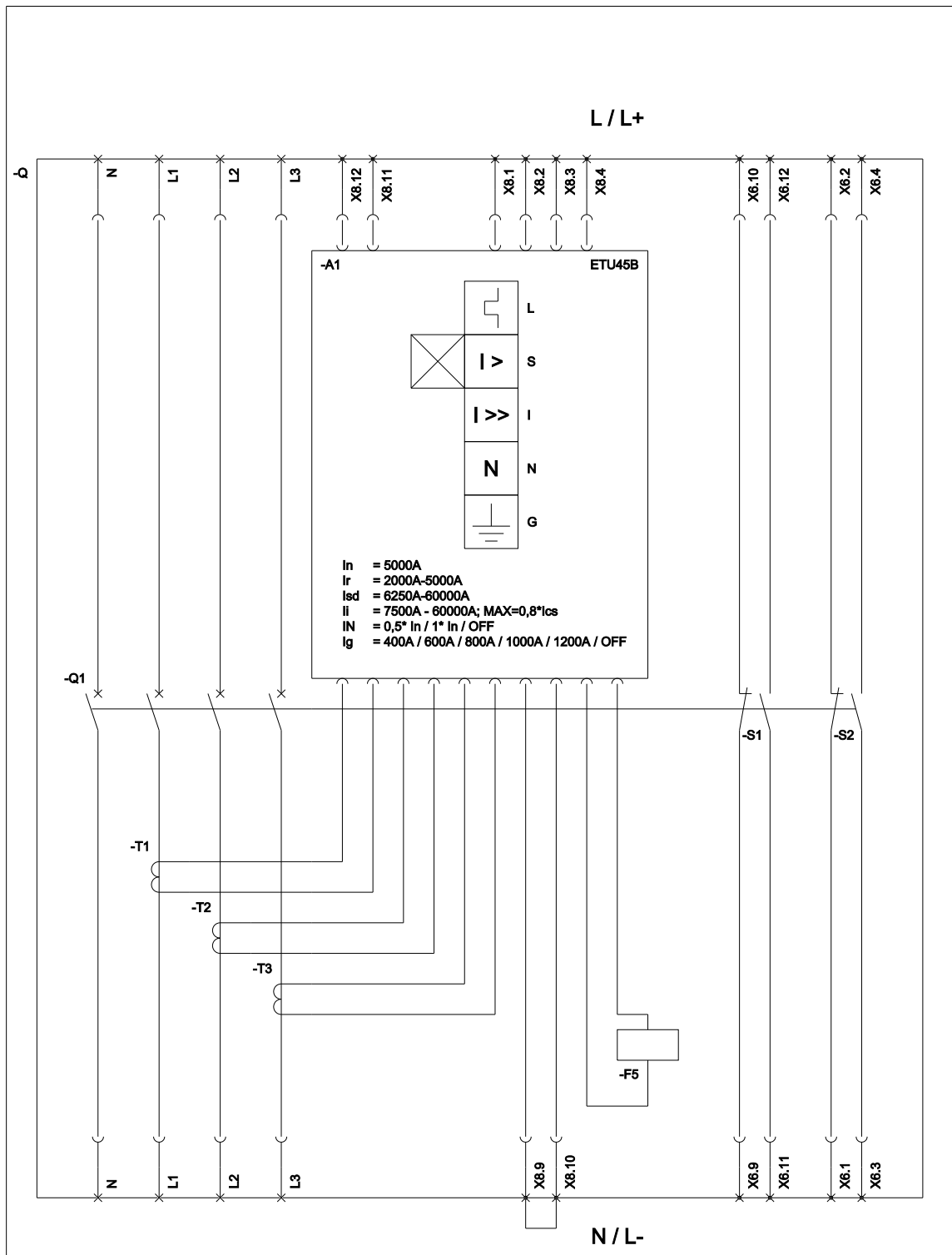
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1350-4FG46-1AA2>

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1350-4FG46-1AA2

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

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





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

