

withdrawable circuit breaker without guide frame 4-pole, size III, IEC In=4000A 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 With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor without 2nd auxiliary release 4NO+4NC

Model	
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	270 W
• maximum	810 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
Suitability	
suitability for use	Plant / motor protection
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
design of the auxiliary switch	4 NO + 4 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
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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	without guide frame
type of electrical connection / for main current circuit	Blade contacts

Mechanical Design

height	410 mm
width	701 mm
depth	337 mm
fastening method	drawer unit
Net Weight	106 kg

Environmental conditions

ambient temperature / during operation	
• minimum	-20 °C
• maximum	55 °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>

Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4FG45-1GA4>

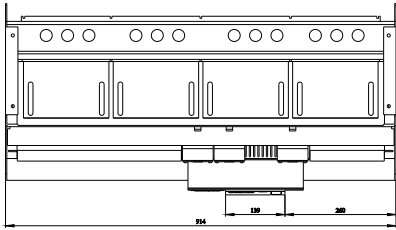
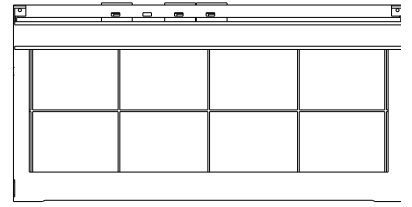
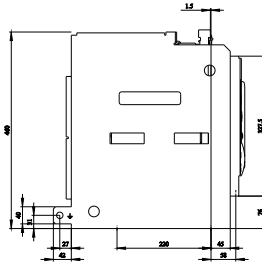
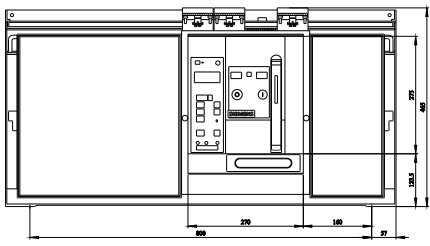
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4FG45-1GA4>

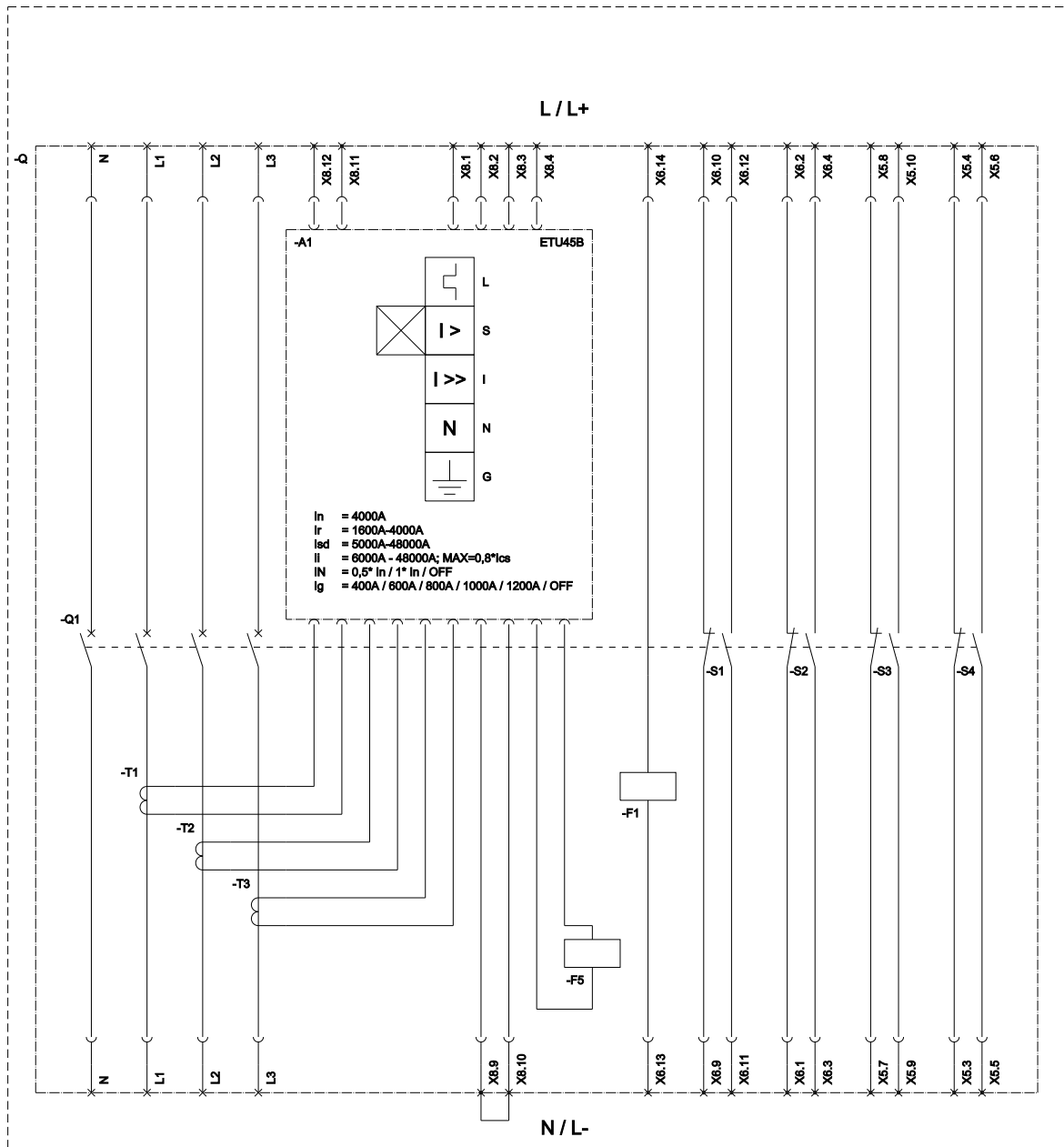
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4FG45-1GA4

CAX-Online-Generator
<https://www.siemens.com/cax>

Tender specifications
<https://www.siemens.com/specifications>

Characteristic curves
[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeilverzögert); I (Instantaneous / Kurzschlusschutz, unverzögert);
N (Neutral Protection / Neutralleiterschutz); G (Ground Fault Protection / Erdschlusschutz); F1 (1st auxiliary release / Erster Hilfsauslöser);
F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter);

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