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Data sheet 3WL1110-2FB32-4GA2

fixed-mounted circuit breaker 3-pole, size I, IEC In=1000A to 690V, AC50/60Hz Icu=55kA at 500V rear connection horizontal Overcurrent release ETU45 LSIN protection adjustable 0.4-1 in with display and cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC 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 2NO+2NC

Model	
design of the product	IEC 60947-2
design of the actuating element	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	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	1
utilization category	B
Voltage	
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	LSIN
Dissipation	
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	33.3 W
● maximum	100 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 L-trip / with I4t characteristic	
● initial value	400 A
● full-scale value	1 000 A
adjustable current response value current / of the current-dependent overload release / initial value	400 A
Product details	
product component	
● **trip indicator**	Yes
● voltage trigger	Yes
● undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No

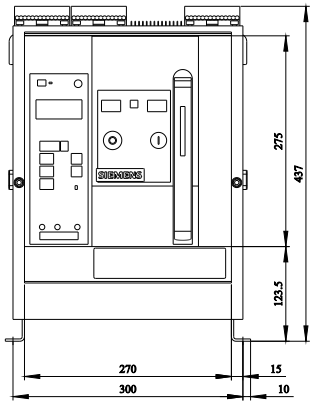
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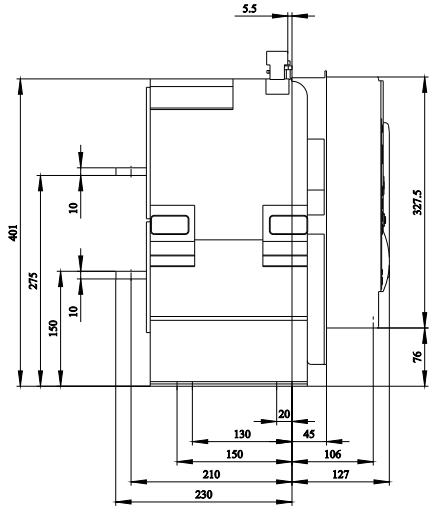
Product function	
product function	
● grounding protection	No
● phase failure detection	Yes
Display and operation	
display version	WITH 4-LINE DISPLAY
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 415 V / rated value	55 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	42 kA
maximum short-circuit current breaking capacity (Icu)	
● at 415 V / rated value	55 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	42 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	439.5 mm
width	320 mm
depth	337 mm
fastening method	fixed mounting
mounting position	any
Net Weight	45 kg
Environmental conditions	
ambient temperature / during operation	
● minimum	-20 °C
● maximum	55 °C
ambient temperature / during storage	
● minimum	-40 °C
● maximum	70 °C

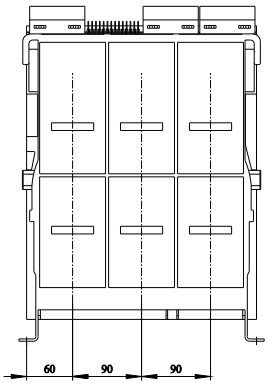
Further information

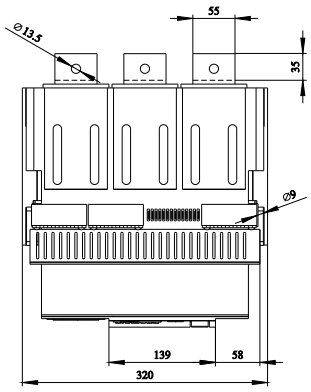
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-2FB32-4GA2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-2FB32-4GA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-2FB32-4GA2
CAx-Online-Generator
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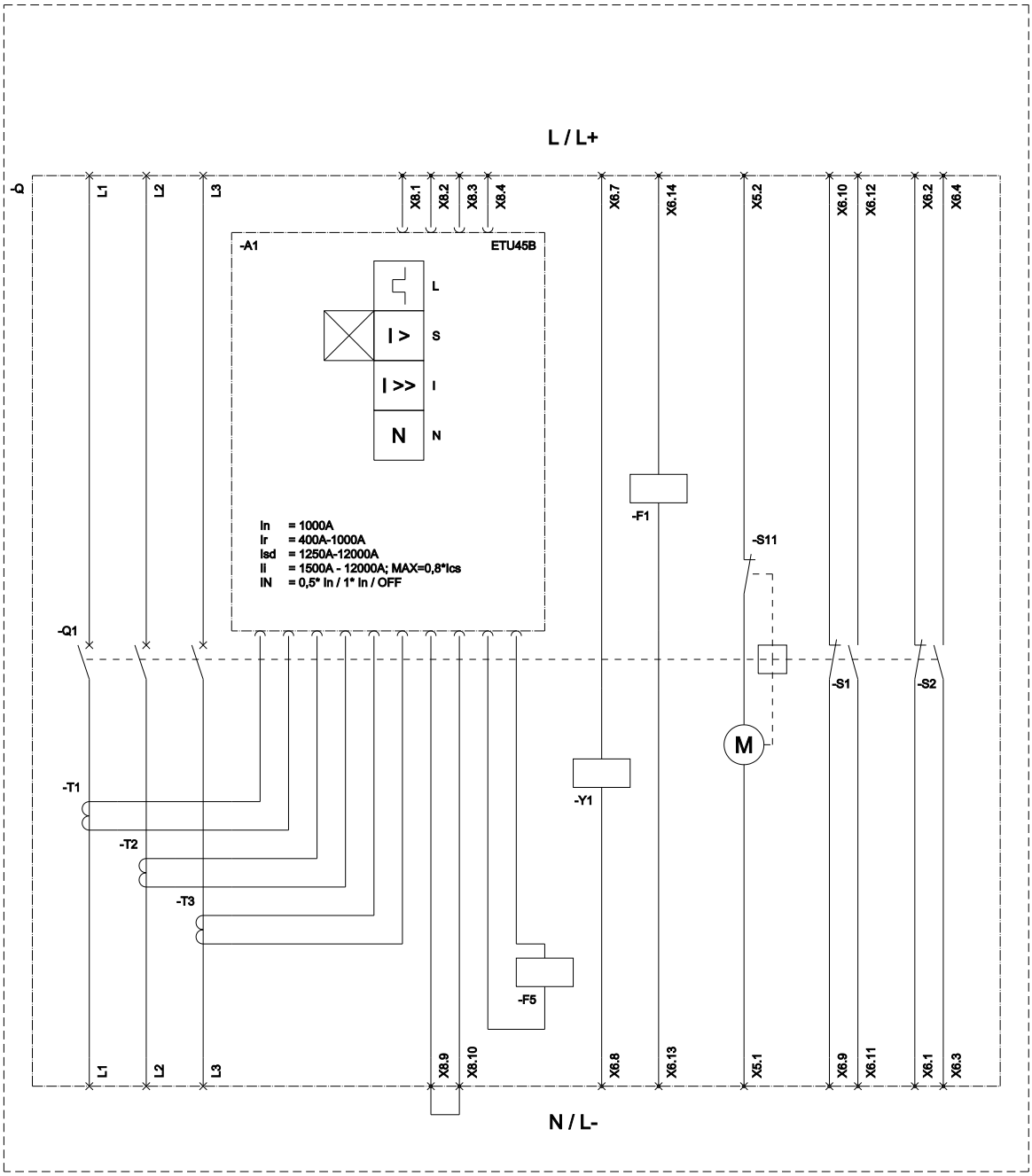








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L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert);
N (Neutral Protection / Neutralleiterschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt);
F1 (1st auxiliary release / Erster Hilfsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter); Y1 (Closing coil / Einschaltmagnet);

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