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Data sheet 3WL1212-4CB36-1AJ4

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=1250A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 24 V DC 4NO+4NC

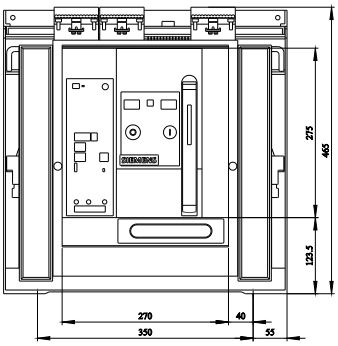
Model	
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	2
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	LSI
Dissipation	
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	55 W
● maximum	165 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
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	500 A
Product details	
product component	
● **trip indicator**	Yes
● voltage trigger	No
● undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	Yes
Product function	
product function	
● grounding protection	No
● phase failure detection	Yes
Display and operation	

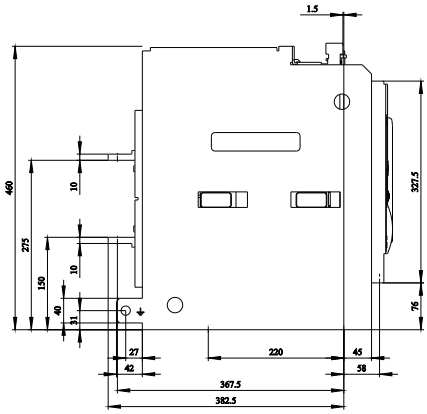
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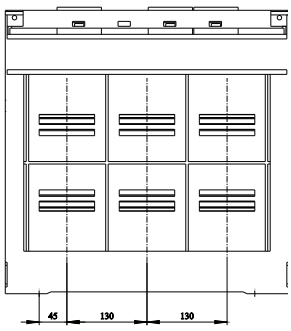
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 415 V / rated value	100 kA
● at 500 V / rated value	100 kA
● at 690 V / rated value	85 kA
maximum short-circuit current breaking capacity (Icu)	
● at 415 V / rated value	100 kA
● at 500 V / rated 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	465.5 mm
width	460 mm
depth	456 mm
fastening method	drawer unit
mounting position	any
Net Weight	91 kg
Environmental conditions	
ambient temperature / during operation	
● minimum	-20 °C
● maximum	70 °C
ambient temperature / during storage	
● minimum	-40 °C
● maximum	70 °C
Further information	

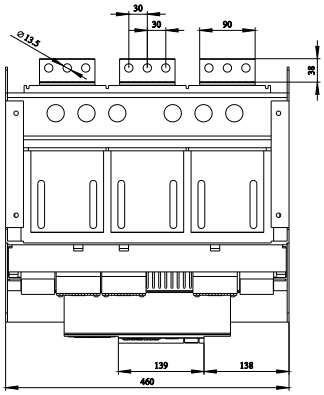
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1212-4CB36-1AJ4
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-4CB36-1AJ4
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-4CB36-1AJ4
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
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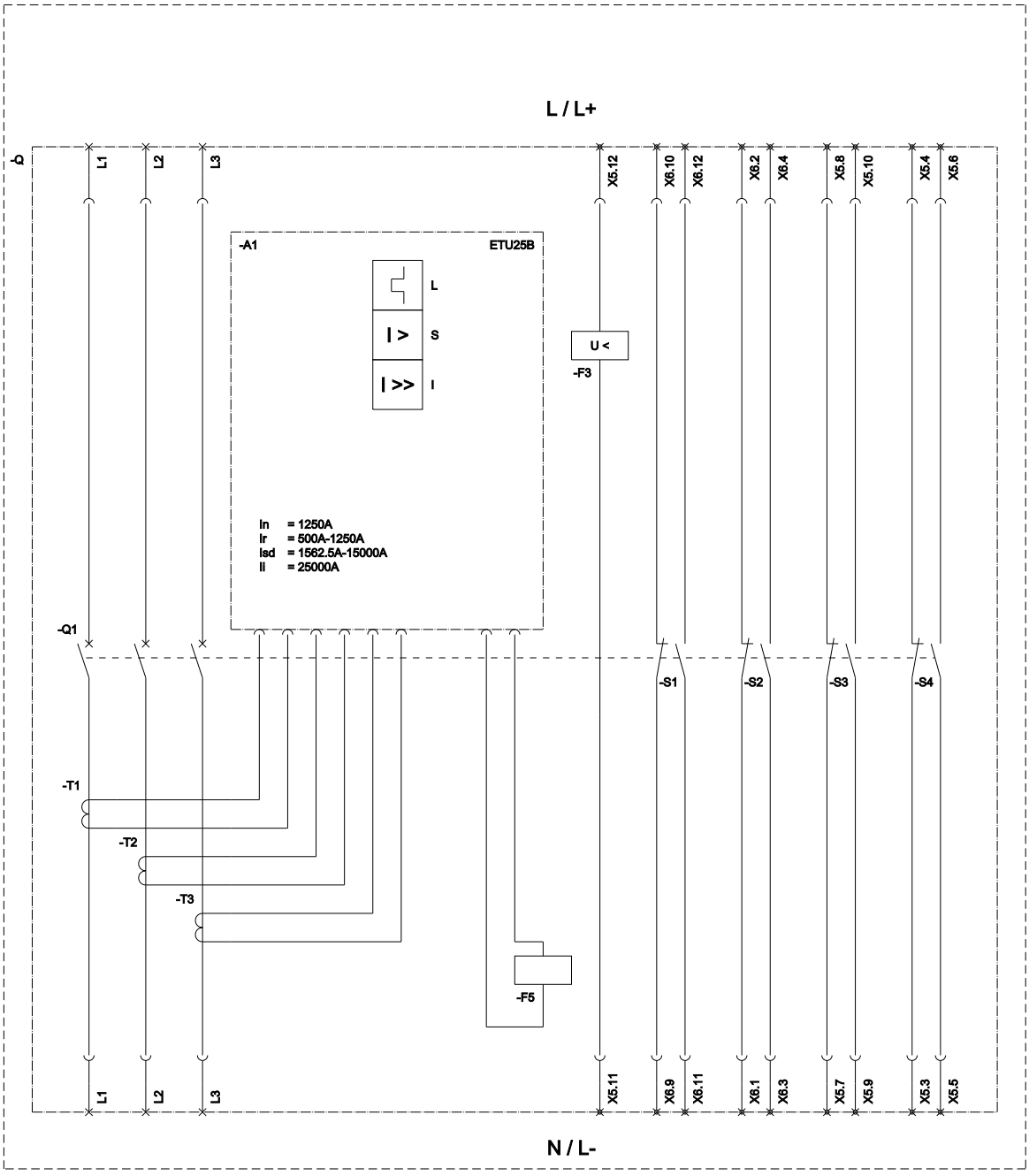








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L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert);
F3 (Undervoltage release / Unterspannungsauslöser); F5 (Magiatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

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