SIEMENS

Data sheet

3WA1240-5AB11-0AA0



Fixed-mounted circuit breaker IEC 60947-2, frame size 2, 4-poles, N-pole left, In=4000A up to 690V AC 50/60Hz, breaking capacity H Icu=100/85kA at 500/690V, Trip unit ETU300 LSI optimized for standard applica- tions, without display Protection LT, ST, INST, include N-protection, (internal N-sensor available), incl. trip alarm switch (1xCO), rear connection vertical, without Com & metering function Manual operating mechanism with mechanical closing, without Spring charging motor, Ready-to-close signal. switch, Auxiliary switches 2NO+2NC, without Closing coil (CC), manual operating mechanism with mechanical closing, without Remote trip alarm reset coil (RR), without 2nd shunt trip, without 1st Shunt trip

Model	Model		
product brand name	SENTRON		
product designation	Air circuit breaker		
suitability for use	circuit breaker		
size of the circuit-breaker			
number of poles	4		
position / of neutral conductor	neutral left		
fastening method	fixed-mounted circuit breakers		
design of the product	AC application		
type of the driving mechanism	manual operating mechanism with mechanical or electrical closing		
design of the electronic trip unit	ETU300 LSI		
Weight	77.4 kg		
Net Weight	64.4 kg		
General technical data			
insulation voltage / rated value	1000 V		
operating voltage / at AC / at 50/60 Hz / rated value	690 V		
power loss [W] / maximum	750 W		
Current			
continuous current / rated value / maximum	4000 A		
continuous current / rated value	4000 A		
operational current			
 at 40 °C / rated value 	4000 A		
• at 45 °C / rated value	4000 A		
at 50 °C / rated value	4000 A		
at 55 °C / rated value	4000 A		
 at 60 °C / rated value 	4000 A		
 at 65 °C / rated value 	4000 A		
at 70 °C / rated value	4000 A		
Switching capacity and short-time withstand current, according	to IEC 60947-2		
switching capacity class of the circuit breaker	Н		
maximum short-circuit current breaking capacity (Icu)			
at 500 V / rated value	100 kA		
at 690 V / rated value	85 kA		
operating short-circuit current breaking capacity (lcs)			
at 500 V / rated value	100 kA		
at 690 V / rated value	85 kA		
short-circuit current making capacity (Icm)			
at 500 V / rated value	220 kA		
at 690 V / rated value	187 kA		
short-time withstand current (Icw) / at 500 V AC			

• for 0.5 s / rated value	100 kA
• for 1 s / rated value	85 kA
• for 2 s / rated value	85 kA
• for 3 s / rated value	75 kA
short-time withstand current (Icw) / at 690 V AC	0514
• for 0.5 s / rated value	85 kA
• for 1 s / rated value	85 kA
for 2 s / rated valuefor 3 s / rated value	85 kA
Electronic release unit	75 kA
product feature	
upgradable	No
Bluetooth and USB interface	No
decoder for basic protection functions	Yes
display and function keys	No
SENTRON powerconfig configuration software	No
Basic protection functions	
product feature / for L-tripping	
• can be switched on/off	No
selectable characteristic function	No
decoder and infinite adjustability are selectable with eSet	No
set values setting current (Ir) / for L-tripping / with I2t	0.4;0.5;0.6;0.7;0.75;0.8;0.85;0.9;0.95;1.0
characteristic	
reference value setting current (Ir) / for L-tripping / with I2t characteristic	x In
set values delay time (tr) / for L-tripping / with I2t characteristic	0.75;1;2;5;8;10;14;17;21;25
reference value delay time (tr) / for L-tripping / with I2t	s
characteristic	
L: Overload protection N-conductor	No
product feature / with neutral conductor protection / can be switched on/off	No
setting values setting current (InN) / for N-tripping	1
reference value setting current (InN) / for N-tripping	x ln
S: delayed short-circuit protection ST	
product feature / for S-tripping	
independent of direction / can be switched on/off	Yes
 independent of direction / selectable characteristic function 	Yes
 decoder and infinite adjustability are selectable with eSet 	No
S: delayed short-circuit protection ST, settings values l0t	
set values setting current (Isd) / for S-tripping / with I0t characteristic	1.5;2;2.5;3;4;5;6;8;10
reference value setting current (Isd) / for S-tripping / with I0t characteristic	x lr
set values delay time (tsd) / for S-tripping / with I0t characteristic	0.08;0.15;0.22;0.3;0.4
reference value delay time (tsd) / for S-tripping / with I0t	s
characteristic	
S: delayed short-circuit protection ST, settings values I2t	4.500.504.500.40
set values setting current (Isd) / for S-tripping / with I2t characteristic	1.5;2;2.5;3;4;5;6;8;10
reference value setting current (Isd) / for S-tripping / with I2t characteristic	x lr
set values delay time (tsd) / for S-tripping / with I2t characteristic	0.08;0.15;0.22;0.3;0.4
product feature / for I-tripping	
• can be switched on/off	No
 decoder and infinite adjustability are selectable (with eSet) 	No
set values setting current (li) / for I-tripping	1.5;2;3;4;5;6;8;10;12;15
reference value setting current (li) / for I-tripping	x In
G: ground fault GF	
product feature / for G-tripping	
• can be switched on/off	No
selectable characteristic function	No
Further protective functions	

protection function		
maintenance mode DAS+	Yes	
Measuring functions		
measurement function		
current measurement	Yes	
Communication		
communication function	No	
Service Life		
mechanical service life (operating cycles)		
 without support / typical 	10000	
with support / typical	20000	
electrical endurance (operating cycles)		
at 690 V / without support / typical	2000	
• at 690 V / with support / typical	20000	
Dimensions		
height	437 mm	
width	590 mm	
depth	357 mm	
Main connection		
arrangement of electrical connectors / for main current circuit	main connection on the rear, vertical	
Auxiliary circuit		
design of the auxiliary switch	2 NO + 2 NC	
number of NC contacts / for auxiliary contacts	2	
number of NO contacts / for auxiliary contacts	2	
number of CO contacts / for auxiliary contacts	0	
Internal accessories		
product component		
undervoltage release	No	
voltage trigger	No	
trip indicator	Yes	
motor drive	No	
Environmental conditions		
protection class IP / on the front	IP20	
ambient temperature / during operation		
• minimum	-40 °C	
maximum	70 °C	
ambient temperature / during storage		
• minimum	-40 °C	
maximum	80 °C	
Certificates		
reference code		
according to IEC 81346-2	Q	
General Product Approval		EMV



Confirmation









Radio Equipment		
Type Approval Certi-	Test Certificates	Marine / Shipping
ficate		

Miscellaneous

Miscellaneous

Special Test Certificate







Marine / Shipping other Dangerous goods Environment







Environment



Information on the packaging

.com/cs/ww/en/view/109813875

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WA1240-5AB11-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3WA1240-5AB11-0AA0

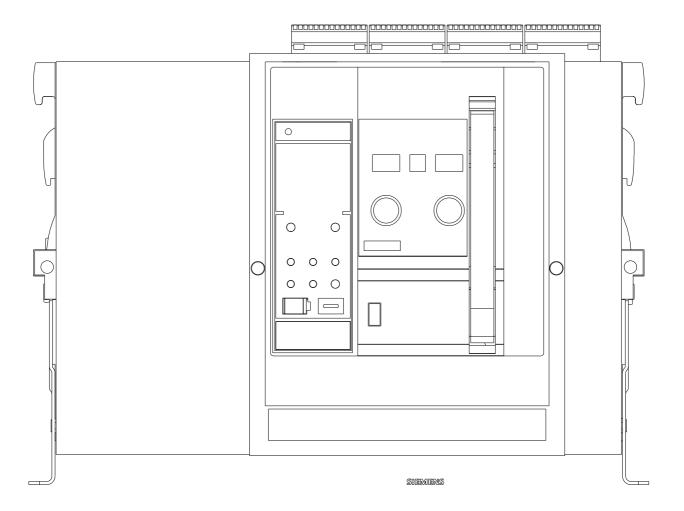
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

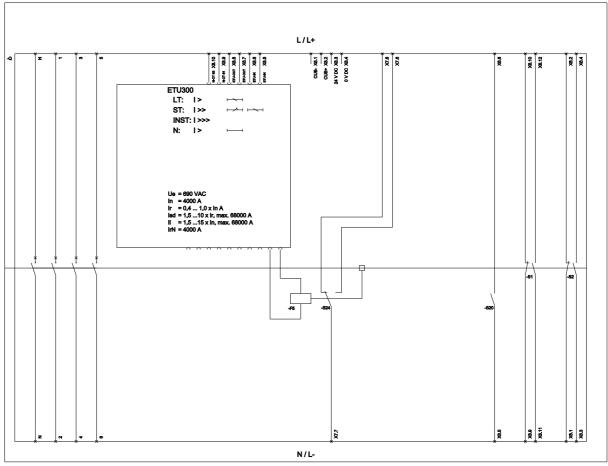
CAx-Online-Generator

http://www.siemens.com/cax

Information- and Downloadcenter (catalogues, leaflets,...)

http://www.siemens.com/energy-automation





LT (Long Time Delay / Declaratedusts); ST (Short Time Delay / Executivestelles, heavest, heavest between place of the second p

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