SIEMENS

Data sheet

3WA1232-4AB02-0AA0



Fixed-mounted circuit breaker IEC 60947-2, frame size 2, 3-poles, In=3200A up to 690V AC 50/60Hz, breaking capacity M Icu=85/66kA at 500/690V, Trip unit ETU300 LSI optimized for standard applica- tions, without display Protection LT, ST, INST, N-protection required an external N-sensor, incl. trip alarm switch (1xCO), rear connection horizontal, 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						
product brand name	SENTRON					
product designation	3WA air circuit breaker					
suitability for use	circuit breaker					
size of the circuit-breaker	I					
number of poles	3					
position / of neutral conductor	no internal N-conductor					
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	63.4 kg					
Net Weight	50.4 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	410 W					
Current						
continuous current / rated value / maximum	3200 A					
continuous current / rated value	3200 A					
operational current						
• at 40 °C / rated value	3200 A					
• at 45 °C / rated value	3200 A					
• at 50 °C / rated value	3200 A					
• at 55 °C / rated value	3200 A					
• at 60 °C / rated value	3200 A					
• at 65 °C / rated value	3200 A					
• at 70 °C / rated value	3200 A					
Switching capacity and short-time withstand current, accord	ing to IEC 60947-2					
switching capacity class of the circuit breaker	Μ					
maximum short-circuit current breaking capacity (Icu)						
• at 500 V / rated value	85 kA					
• at 690 V / rated value	66 kA					
operating short-circuit current breaking capacity (Ics)						
• at 500 V / rated value	85 kA					
• at 690 V / rated value	66 kA					
short-circuit current making capacity (Icm)						
• at 500 V / rated value	187 kA					
• at 690 V / rated value	145 kA					
short-time withstand current (Icw) / at 500 V AC						

 for 0.5 s / rated value 	85 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	
 for 0.5 s / rated value 	66 kA
 for 1 s / rated value 	66 kA
 for 2 s / rated value 	66 kA
for 3 s / rated value	66 kA
Electronic release unit	
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 characteristic	0.4;0.5;0.6;0.7;0.75;0.8;0.85;0.9;0.95;1.0
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 characteristic	S
L: Overload protection N-conductor	
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 I0t	
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 characteristic	S
S: delayed short-circuit protection ST, settings values I2t	
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 ln
G: ground fault GF	
product feature / for G-tripping	
• can be switched on/off	No
 selectable characteristic function 	No
Further protective functions	

protoction function		_				
 protection function maintenance mod 			Yes			
Measuring functions	de DA3+	_	165	_		
		_	-			
measurement function	nont		Voc			
current measurer	nent	_	Yes			
Communication		_				
communication function			No			
Service Life		_				
mechanical service life						
 without support / 			10000			
 with support / typ 	ical		20000)		
electrical endurance (or						
 at 690 V / without 			4000			
 at 690 V / with su 	pport / typical		20000)		
Dimensions						
height			437 m	ım		
width			460 m	ım		
depth			357 m	ım		
Main connection						
arrangement of electrica	al connectors / for main c	urrent circuit	main o	connection on the rear, ł	norizontal	
Auxiliary circuit						
design of the auxiliary s	witch		2 NO	+ 2 NC		
number of NC contacts			2			
number of NO contacts			2			
number of CO contacts			0			
Internal accessories						
product component			_			
undervoltage rele	250		No			
			No			
	voltage trigger		Yes			
• trip indicator		No				
motor drive	20	_	NU			
Environmental condition		_	1000	_	_	
protection class IP / on			IP20			
ambient temperature / c	luring operation					
• minimum			-40 °C			
maximum			70 °C			
ambient temperature / c	luring storage					
 minimum 			-40 °C			
 maximum 			80 °C			
Certificates		<u> </u>				
reference code						
 according to IEC 	81346-2		Q			
General Product App	oval					EMV
						_
(m)	Confirmation	UK		~ ~	гпг	A
(\mathbf{u})				CE	FAL	<u>/\@</u> \
		CA		EG-Konf.	LIIL	RCM
Radio Equipment						
Type Approval Certi-	Test Certificates			Marine / Shipping		
ficate						
Miscellaneous	Miscellaneous	Special Test Cer	tific		(NUYP)	
MISCEILAITEOUS	IMISCEIIANEOUS	<u>special Test Cen</u>	<u>uno-</u>	Start Wards	a yan	Lloyd's
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				ABS	BUREAU	LRS
					VERITAS	
other		Dangerous goo	ds	Environment		

Manufacturer Declaration Transport Information







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=3WA1232-4AB02-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3WA1232-4AB02-0AA0

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

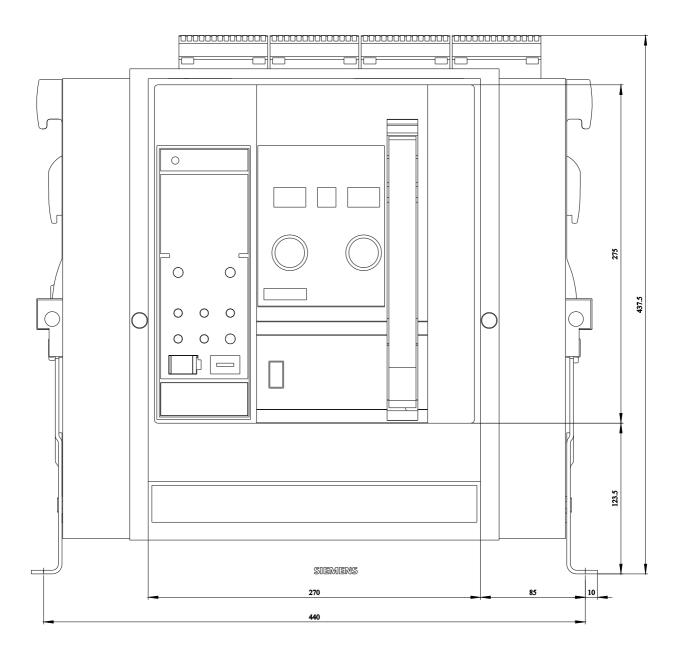
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WA1232-4AB02-0AA0

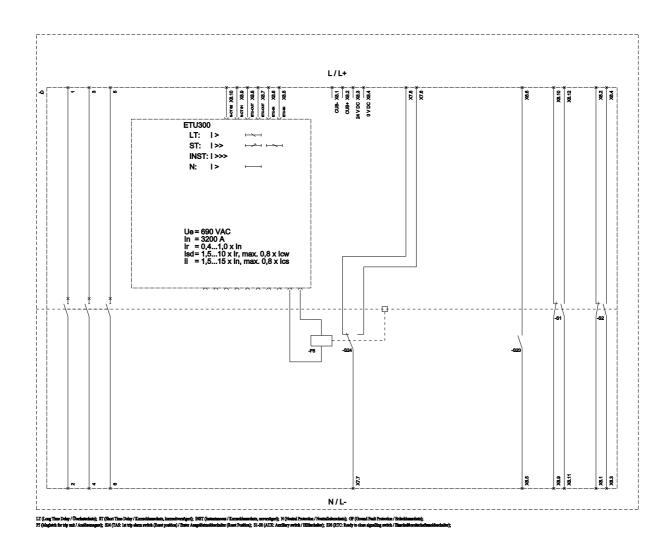
CAx-Online-Generator

http://www.siemens.com/cax

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

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





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