# **SIEMENS**

#### Data sheet

### 3VA2063-8HM32-0AA0



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS L ICU=150KA @ 415 V 3POLE, LINE PROTECTION ETU330, LIG, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION II=1,5...12 X IN GROUNDFAULTPROTECTION IG=0,2... 1 X IN, TG=0,1/0,3MS BUSBAR CONNECTION

Figure similar

Model						
product brand name		SENTRON				
Product designation		Molded case circuit breaker				
Design of the product		Line protection				
Product variations		Selective Applications				
Ground fault monitoring version		Summation current formation L-conductor				
Design of the auxiliary release		without auxiliaryrelease				
Design of the auxiliary switch		Without				
Design of the operating mechanism		toggle handle				
Type of the driving mechanism / motor drive		No				
Design of the overcurrent release		ETU330				
General technical data						
Number of poles		3				
Trip class / of the L-trip / with I2t characteristic / initial value		0.5				
Trip class / of the L-trip / with I2t characteristic / Full- scale value		17				
Electrical endurance (switching cycles)						
• at AC-1 / at 380/415 V / at 50/60 Hz		12 000				
Total disconnection time / for G-tripping / with standard characteristic / initial value	S	0.1				
Total disconnection time / for G-tripping / with standard characteristic / Full-scale value	S	0.3				
circuit-breaker / Design		3VA				
Mechanical service life (switching cycles) / typical		20 000				

Voltage		
Insulation voltage / Rated value	V	800
Desta diana da sa	_	
Protection class Protection class IP	-	IP40
Protection class IP / on the front	_	IP40
Protective function of the overcurrent release	_	LIG
Protective function of the overcurrent release		LIG
Switching capacity		
Switching capacity class of the circuit breaker		L
Dissipation		
Active power loss		
• maximum	W	3
Electricity		
Continuous current / Rated value / maximum	A	100
Continuous current / Rated value	А	63
Adjustable response value current / of the	А	1.5
instantaneous short-circuit release / initial value		
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
Operating current	-	
• at 40 °C / Rated value	А	63
● at 50 °C / Rated value	А	63
● at 60 °C / Rated value	А	63
● at 65 °C / Rated value	А	63
• at 70 °C / Rated value	А	63
	_	
Auxiliary circuit Number of NC contacts / for auxiliary contacts	-	0
Number of NO contacts / for auxiliary contacts	_	0
		Ĵ
Suitability		
Suitability for use		system protection
Adjustable parameters	_	
Adjustable response value current		
<ul> <li>for G-tripping / with standard characteristic / initial value</li> </ul>	A	0.25
<ul> <li>for G-tripping / with standard characteristic / Full-scale value</li> </ul>	A	1
• of I-trip / Full-scale value	А	12
Adjustable response value current / of the current- dependent overload release / initial value	A	0.397

Product component     No       • display     No       • undervoltage release     No       Product property     • of the circuit breaker with tripping unit / Tripping characteristic adjustable     Yes       • for neutral conductors / upgradeable/retrofitable / Short-circuit and overload proof     No       Product expansion / optional / motor drive     Yes       Product function     Yes       Product function     Yes       • origination function function     No       • other measurement function     No       • other measurement function     No       • other measurement function     No       • at 240 V / Rated value     KA       • at 240 V / Rate	Product details		
display display undervoltage releaseNoProduct property of the circuit breaker with tripping unit / Tripping othracteristic adjustable of retural conductors / upgradeable/retrofittable / Short-circuit and overload proofYesProduct expansion / optional / motor driveYesProduct function overload proofYesProduct function our infinisic device protection o ommunication functionYesProduct function o ther measurement functionNoProtoct function o ther measurement functionNoProtect function o ther measurement functionStratege additional strategeProtoct function circuitKA200I at 240 V / Rated valueKA150I at 6500 V / Rated valueKA150I at 6400	Product component		
undervoltage releaseNoProduct property• of the circuit breaker with tripping unit / Tripping characteristic adjustableYes• of the circuit breaker with tripping unit / Tripping characteristic adjustableNo• or relutal conductors / upgradeable/retrofittable / Short-circuit and overload proofYesProduct functionYes• Intrinsic device protectionYes• Intrinsic device protectionNo• Orbust spansion / optional / motor driveYesProduct functionNo• other measurement functionNo• other measurement functionNo• other measurement functionNoShort circuitYr/2063-8HM32-0AA0Stort circuitYr/2063-8HM32-0AA0• at 240 V / Rated valueKA• at 240 V / Rated valueKA• at 240 V / Rated valueKA• at 500 V / Rated valueKA• at 500 V / Rated valueKA• at 240 V / Rated valueKA• at 415 V / Rated valueKA• at 240 V / Rated valueKA• at 240 V / Rated valueKA• at 415 V / Rated valueKA• at 420 V / Rated valueKA• at 420 V / Rated value <t< td=""><td>Trip indicator</td><td></td><td>No</td></t<>	Trip indicator		No
Product progrey • of the circuit breaker with tripping unit / Tripping characteristic adjustable • for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proofYesProduct expansion / optional / motor driveYesProduct functionYes• Intrinsic device protectionYes• ofter measurement functionNo• ofter measurement functionNo• other measurement functionSVA2083-8HM52-0AA0• at 240 V / Rated valueKA• at 240 V	• display		No
• of the circuit breaker with tripping characteristic adjustableYes• for neutral conductors / upgradeable/introfittable / Short-circuit and overload proofNoProduct expansion / optional / motor driveYesProduct expansion / optional / motor driveYesProduct functionYes• Intrinsic device protectionYes• Intrinsic device protectionNo• Other measurement functionNo• other measurement functionNo• other measurement functionSt/A2065-8HM32-0AA0• other measurement functionSt/A2065-8HM32-0AA0• at 240 V / Rated valueKA• at 240 V / Rated v	undervoltage release		No
characteristic adjustable       initial conductors / upgradeable/retrofitable / Short-circuit and overlead proof       No         Product function       Yes         Product function       Yes         Product function       No            e intrinsic device protection         e communication function       No            e therm easurement function         e other measurement function       No            e other measurement function         e other measurement function       SNo            Accessories        SNo            Short circuit current breaking capacity         (rs)         e at 240 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 200 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated value         KA         150         et at 500 V / Rated v	Product property	-	
upgradeable/retrofitable / Short-circuit and       Yes         Product expansion / optional / motor drive       Yes         Product function       Yes         • Intrinsic device protection       No         • Intrinsic device protection       No         • Optimumication function       No         • other measurement function       Visconset for the supplied basic         • other measurement function       Visconset for the supplied basic         • ot 240 V / Rated value       KA       150     <			Yes
Product function       Product function         Intrinsic device protection       No         communication function       No         Phase failure detection       No         other measurement function       No         Accessories       3VA2063-8HM32-0AA0         Short circuit       Operational short-circuit current breaking capacity (Ics)       3VA2063-8HM32-0AA0         • at 240 V / Rated value       kA       200         • at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150         • at 690 V / Rated value       kA       160         • at 415 V / Rated value       kA       160         • at 690 V / Rated value       kA       160         • at 690 V / Rated value       kA       150         • at 415 V / Rated value       kA       160         • at 690 V / Rated value       kA       160         • at 690 V / Rated value       kA       150         • at 400 V / Rated value       kA       160         • at 400 V / Rated value       kA       160         • at 400 V / Rated value       kA       160         • at 400 V / Rated value       kA       160         • at 400 V / Rated value       kA<	upgradeable/retrofittable / Short-circuit and		No
Product function       Intrinsic device protection       Yes         • communication function       No         • Phase failure detection       No         • other measurement function       No         • other measurement function       No         Accessories       3VA2063-8HIM32-0AA0         Short circuit       200         • at 240 V / Rated value       KA         • at 240 V / Rated value       KA         • at 440 V / Rated value       KA         • at 400 V / Rated value       KA         • at 500 V / Rated value       KA         • at 400 V / Rated value       KA         • at 400 V / Rated value       KA         • at 415 V / Rated value       KA         • at 400 V / Rated value       KA         • at 600 V / Rated value       KA         • at 600 V / Rated value       KA	Product expansion / optional / motor drive		Yes
Product function       Intrinsic device protection       Yes         • communication function       No         • Phase failure detection       No         • other measurement function       No         • other measurement function       No         Accessories       3VA2063-8HIM32-0AA0         Short circuit       200         • at 240 V / Rated value       KA         • at 240 V / Rated value       KA         • at 440 V / Rated value       KA         • at 400 V / Rated value       KA         • at 500 V / Rated value       KA         • at 400 V / Rated value       KA         • at 400 V / Rated value       KA         • at 415 V / Rated value       KA         • at 400 V / Rated value       KA         • at 600 V / Rated value       KA         • at 600 V / Rated value       KA	Product function		
Phase failure detectionNo• other measurement functionNoAccessoriesManufacturer article number / of the supplied basic switchSVA2063-8HIM32-0AA0Short circuitStream of the supplied basic switchSVA2063-8HIM32-0AA0Operational short-circuit current breaking capacity (tcs)Stream of the supplied basic 	<ul> <li>Intrinsic device protection</li> </ul>		Yes
• other measurement functionNoAncessoriesSVA2063-8HM32-0AA0Manufacturer article number / of the supplied basic switchSVA2063-8HM32-0AA0Short circuitSVA2063-8HM32-0AA0Operational short-circuit current breaking capacity (tcs)SVA2063-8HM32-0AA0• at 240 V / Rated valueKA200• at 240 V / Rated valueKA150• at 415 V / Rated valueKA150• at 400 V / Rated valueKA150• at 690 V / Rated valueKA150• at 690 V / Rated valueKA150• at 690 V / Rated valueKA150• at 240 V / Rated valueKA200• at 415 V / Rated valueKA200• at 240 V / Rated valueKA150• at 240 V / Rated valueKA200• at 415 V / Rated valueKA200• at 440 V / Rated valueKA200• at 440 V / Rated valueKA300• at 440 V / Rated valueKA330• at 240 V / Rated valueKA24Short-circuit current making capacity (icm)•• at 240 V / Rated valueKA330• at 240 V / Rated valueKA330• at 440 V / Rated valueKA220	<ul> <li>communication function</li> </ul>		No
Accessories       3VA2063-8HM32-0AA0         Manufacturer article number / of the supplied basic switch       3VA2063-8HM32-0AA0         Short circuit       Short circuit current breaking capacity (ics)       at 240 V / Rated value       kA       200         • at 240 V / Rated value       kA       150       at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150       at 440 V / Rated value       kA       150         • at 440 V / Rated value       kA       150       at 440 V / Rated value       kA       160         • at 690 V / Rated value       kA       100       at 690 V / Rated value       kA       18         Maximum short-circuit current breaking capacity (Icu)	<ul> <li>Phase failure detection</li> </ul>		No
Manufacturer article number / of the supplied basic switch       3VA2063.8HM32:0AA0         Short circuit       Operational short-circuit current breaking capacity (ics)       4         • at 240 V / Rated value       kA       200         • at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150         • at 440 V / Rated value       kA       100         • at 400 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 240 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 240 V / Rated value       kA       150         • at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150         • at 440 V / Rated value       kA       100         • at 400 V / Rated value       kA       100         • at 690 V / Rated value       kA       300         • at 400 V / Rated value       kA       330         • at 400 V / Rated value       kA       330         • at 415 V / Rated value       kA       330         • at 440 V / Rated val	<ul> <li>other measurement function</li> </ul>		No
Manufacturer article number / of the supplied basic switch       3VA2063.8HM32:0AA0         Short circuit       Operational short-circuit current breaking capacity (ics)       4         • at 240 V / Rated value       kA       200         • at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150         • at 440 V / Rated value       kA       100         • at 400 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 240 V / Rated value       kA       100         • at 690 V / Rated value       kA       100         • at 240 V / Rated value       kA       150         • at 415 V / Rated value       kA       150         • at 440 V / Rated value       kA       150         • at 440 V / Rated value       kA       100         • at 400 V / Rated value       kA       100         • at 690 V / Rated value       kA       300         • at 400 V / Rated value       kA       330         • at 400 V / Rated value       kA       330         • at 415 V / Rated value       kA       330         • at 440 V / Rated val	Accessories	_	
switchImage: Constraint of the switch of the sw		_	3VA2063-8HM32-0AA0
(ics)         Image: constraint of the symbol of the s	Short circuit Operational short-circuit current breaking capacity		
• at 240 V / Rated value       KA       200         • at 415 V / Rated value       KA       150         • at 440 V / Rated value       KA       150         • at 440 V / Rated value       KA       100         • at 690 V / Rated value       KA       18         • at 690 V / Rated value       KA       200         • at 240 V / Rated value       KA       200         • at 240 V / Rated value       KA       200         • at 440 V / Rated value       KA       150         • at 440 V / Rated value       KA       150         • at 440 V / Rated value       KA       150         • at 440 V / Rated value       KA       150         • at 4500 V / Rated value       KA       150         • at 690 V / Rated value       KA       24         • at 690 V / Rated value       KA       100         • at 400 V / Rated value       KA       440         • at 415 V / Rated value       KA       440         • at 440 V / Rated value       KA       330         • at 440 V / Rated value       KA       330         • at 440 V / Rated value       KA       320			
<ul> <li>at 100 V / Rated value</li> <li>at 440 V / Rated value</li> <li>kA 150</li> <li>at 500 V / Rated value</li> <li>kA 100</li> <li>at 690 V / Rated value</li> <li>kA 18</li> </ul> Maximum short-circuit current breaking capacity (Icu) <ul> <li>at 240 V / Rated value</li> <li>kA 200</li> <li>at 415 V / Rated value</li> <li>kA 150</li> <li>at 440 V / Rated value</li> <li>kA 150</li> <li>at 500 V / Rated value</li> <li>kA 100</li> <li>at 690 V / Rated value</li> <li>kA 24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>at 240 V / Rated value</li> <li>kA 24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>at 240 V / Rated value</li> <li>kA 440</li> <li>cat 415 V / Rated value</li> <li>kA 330</li> <li>at 440 V / Rated value</li> <li>kA 330</li> <li>at 440 V / Rated value</li> <li>kA 220</li> </ul>		kA	200
<ul> <li>at 100 V / Rated value</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>100</li> <li>kA</li> <li>18</li> </ul> Maximum short-circuit current breaking capacity (Icu) <ul> <li>at 240 V / Rated value</li> <li>kA</li> <li>200</li> <li>at 415 V / Rated value</li> <li>kA</li> <li>150</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>150</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>100</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>100</li> <li>at 400 V / Rated value</li> <li>kA</li> <li>100</li> <li>at 415 V / Rated value</li> <li>kA</li> <li>100</li> <li>at 400 V / Rated value</li> <li>kA</li> <li>24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>at 240 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 415 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>320</li> </ul>	• at 415 V / Rated value	kA	150
• at 500 V / Rated valueKA100• at 690 V / Rated valueKA18Maximum short-circuit current breaking capacity (Icu)• at 240 V / Rated valueKA200• at 415 V / Rated valueKA150• at 440 V / Rated valueKA150• at 440 V / Rated valueKA100• at 690 V / Rated valueKA100• at 690 V / Rated valueKA24• at 690 V / Rated valueKA300• at 240 V / Rated valueKA330• at 240 V / Rated valueKA330• at 415 V / Rated valueKA330• at 440 V / Rated valueKA320• at 450 V / Rated valueKA320	• at 440 V / Rated value	kA	150
Maximum short-circuit current breaking capacity (Icu)KA200• at 240 V / Rated valuekA150• at 415 V / Rated valuekA150• at 440 V / Rated valuekA150• at 500 V / Rated valuekA100• at 690 V / Rated valuekA24Short-circuit current making capacity (Icm)		kA	100
Maximum short-circuit current breaking capacity (Icu)KA200• at 240 V / Rated valueKA150• at 415 V / Rated valueKA150• at 440 V / Rated valueKA100• at 500 V / Rated valueKA24• at 690 V / Rated valueKA24• at 240 V / Rated valueKA330• at 240 V / Rated valueKA330• at 240 V / Rated valueKA330• at 415 V / Rated valueKA330• at 440 V / Rated valueKA330• at 440 V / Rated valueKA330• at 450 V / Rated valueKA330• at 500 V / Rated valueKA330• at 500 V / Rated valueKA30• at 500 V / Rated valueKA40• at 500 V / Rated valueKA40• at 500 V / Rated valueKA40 <t< td=""><td>• at 690 V / Rated value</td><td>kA</td><td>18</td></t<>	• at 690 V / Rated value	kA	18
<ul> <li>e at 415 V / Rated value</li> <li>k A</li> <li>150</li> <li>k A</li> <li>150</li> <li>k A</li> <li>100</li> <li>k A</li> <li>100</li> <li>k A</li> <li>24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>k A</li> <li>440 V / Rated value</li> <li>k A</li> <li>440</li> <li>k A</li> <li>440</li> <li>k A</li> <li>440</li> <li>k A</li> <li>440</li> <li>k A</li> <li>330</li> <li>at 440 V / Rated value</li> <li>k A</li> <li>330</li> <li>k A</li> <li>440 V / Rated value</li> <li>k A</li> <li>330</li> <li>k A</li> <li>320</li> </ul>	Maximum short-circuit current breaking capacity (Icu)	-	
<ul> <li>at 440 V / Rated value</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>100</li> <li>at 690 V / Rated value</li> <li>kA</li> <li>24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>at 240 V / Rated value</li> <li>kA</li> <li>440</li> <li>at 415 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>220</li> </ul>	• at 240 V / Rated value	kA	200
<ul> <li>at 500 V / Rated value</li> <li>at 690 V / Rated value</li> <li>kA</li> <li>24</li> </ul> Short-circuit current making capacity (Icm) <ul> <li>at 240 V / Rated value</li> <li>kA</li> <li>440</li> <li>at 415 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>330</li> <li>at 500 V / Rated value</li> <li>kA</li> <li>220</li> </ul>	• at 415 V / Rated value	kA	150
• at 690 V / Rated valuekA24Short-circuit current making capacity (Icm)-• at 240 V / Rated valuekA440• at 415 V / Rated valuekA330• at 440 V / Rated valuekA330• at 500 V / Rated valuekA220	● at 440 V / Rated value	kA	150
Short-circuit current making capacity (Icm)KA440• at 240 V / Rated valuekA330• at 415 V / Rated valuekA330• at 440 V / Rated valuekA220	• at 500 V / Rated value	kA	100
• at 240 V / Rated valuekA440• at 415 V / Rated valuekA330• at 440 V / Rated valuekA330• at 500 V / Rated valuekA220	• at 690 V / Rated value	kA	24
<ul> <li>at 415 V / Rated value</li> <li>at 440 V / Rated value</li> <li>kA</li> <li>330</li> <li>kA</li> <li>330</li> <li>kA</li> <li>220</li> </ul>	Short-circuit current making capacity (Icm)		
<ul> <li>at 440 V / Rated value</li> <li>at 500 V / Rated value</li> <li>kA 220</li> </ul>	• at 240 V / Rated value	kA	440
at 500 V / Rated value     kA 220	• at 415 V / Rated value	kA	330
	• at 440 V / Rated value	kA	330
• at 690 V / Rated value kA 48			
	<ul> <li>at 500 V / Rated value</li> </ul>	kA	220

Connections					
Arrangement of electrical connectors / for main		Front termin	al		
current circuit					
Type of connectable conductor cross-section					
<ul> <li>for flat-bar terminal connection / minimum</li> </ul>		13 x 1 mm	13 x 1 mm		
<ul> <li>for flat-bar terminal connection / maximum</li> </ul>		25 x 8.5	25 x 8.5		
Type of electrical connection / for main current circuit	_	Lug termina	Lug terminal		
Mechanical Design					
Height	mm	181			
Width	mm	105			
Depth	mm	107	107		
Mounting type	_	fixed mounti	fixed mounting		
Environmental conditions					
Ambient temperature					
<ul> <li>during operation / minimum</li> </ul>	°C	-25			
<ul> <li>during operation / maximum</li> </ul>	°C	70			
<ul> <li>during storage / minimum</li> </ul>	°C	-40			
<ul> <li>during storage / maximum</li> </ul>	°C	80	80		
Certificates					
Equipment marking					
• acc. to DIN EN 61346-2		Q			
• acc. to DIN EN 81346-2		Q			
General Product Approval	E	MC	Declaration of Conformity	other	
		other	CE	other	
			EG-Konf.		

#### Further information

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

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA20638HM320AA0

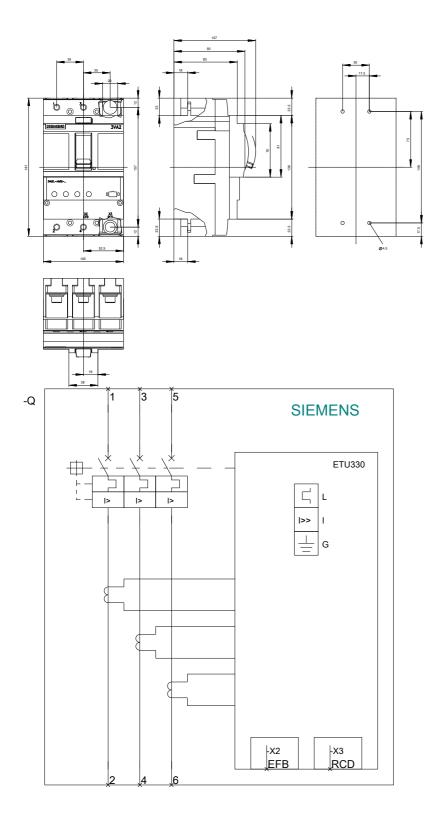
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA20638HM320AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA20638HM320AA0

CAx-Online-Generator http://www.siemens.com/cax

## Tender specifications

http://ausschreibungstexte.siemens.com/tiplv



last modified:

11.03.2015