3VA6115-7KM36-2AA0

Data sheet



Circuit breaker 3VA6 UL Frame 150 breaking capacity class C 100kA @ 480 V 3-pole, Line protection ETU830, LIG, In=150A overload protection, 100% rated Ir=60A ...150A Short-circuit protection Ii=1.5...10 x In Ground-fault protection Ig=0.2... 1 x In, tg=0.05-0.8s cable connection on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	CDAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU830
protection function of the overcurrent release	LIG
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	29 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9.67 W
mechanical service life (operating cycles) / typical	25 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	14 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	9 800
electrical endurance (operating cycles) / at 480 V	14 000
electrical endurance (operating cycles) / at 600 V	9 800
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
 communication function 	Yes
 other measurement function 	Yes
Net Weight	2.509 kg
Current	
marking / according to UL 489 / 100%-rated breaker	Yes
operational current	
• at 40 °C	150 A
● at 45 °C	150 A
● at 50 °C	150 A
● at 55 °C	143 A
• at 60 °C	135 A
• at 65 °C	128 A
● at 70 °C	120 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	С
maximum short-circuit current breaking capacity (lcu)	

* at 22 V 100 KA 150 V 2.0 KA 1	a at 240 V	150 kA
### 1600 V 2.5 kA operating short-circuit current breaking capacity (Ica) ### 1415 V 110 kA ### 1415 V 110 kA ### 1415 V 2.5 kA annowment of the common	• at 240 V	
operating short-orcuit current breaking capacity (ics) • at 24 15 V • at 415		
### 1240 V ### 150 KA		2.0 10 1
### 1415 V		150 kA
### 1890 V ### 25 VA ### 14 15 V ### 14 15 V ### 14 15 V ### 22 VA ### 14 15 V ### 15 VA ### 15		
short-foruit current making capacity (lorn)		
• at 415 V		
# 415 V		330 kA
** at 480 V		
current breaking capacity • at 240 V • at 480 V • at 4		
current breaking capacity • at 240 V • at 480 V • at 4	Switching capacity according to UL 489	
e at 240 V e at 480 V e at 600 V 35 kA Adjustable parameters adjustable parameters adjustable response value setting current (if) / of the L-trip / with L2t characteristic e minimum e maximum adjustable response value delay time (tr) / for L-tripping / with 12t characteristic e minimum e maximum adjustable current response value current / for G-tripping / with 12t characteristic e minimum e maximum adjustable current response value current / for G-tripping / with 12t characteristic e initial value e full-scale value e full-scale value e minimum e maximum e roduct function / grounding protection e total break time / for G-tripping / with standard characteristic e initial value e o.8 s Mochanical Design product cumponent e undervoltage release e voltage trigger e voltage t		
Adjustable parameters adjustable response value setting current (ir) of the L-trip / with 12t characterists		200 kA
Adjustable parameters adjustable response value setting current (Ir) / of the L-trip / with Izt characteristic	• at 480 V	100 kA
adjustable response value setting current (Ir) / of the L-trip / with 12t characteristic	• at 600 V	35 kA
It characteristic minimum maximum maximum 150 A 150 A	Adjustable parameters	
minimum adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum maximum	adjustable response value setting current (Ir) / of the L-trip / with	
adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum maximum 20 s adjustable current response value current / for G-tripping / with standard characteristic initial value full-scale value full-scale value maximum 30 A full-scale value full-scale value minimum 0.0.5 s maximum 0.0.8 s adjustable current response value current / of instantaneous short-circuit trip unit minimum full-current response value current / of instantaneous short-circuit trip unit minimum full-current response value current / of instantaneous short-circuit trip unit minimum full-current response value current / of instantaneous short-circuit trip unit minimum full-current response value current / of instantaneous short-circuit rip unit minimum full-current response value current / of instantaneous short-circuit rip unit minimum full-current response value current / of instantaneous short-circuit rip unit minimum full-current response value current / of instantaneous short-circuit rip unit minimum full-current response value current / of instantaneous short-circuit rip unit full-current response value current / of stantaneous short-circuit rip unit full-current response value current riccuit rip unit full-current response value current riccuit rip unit rip u		
adjustable response value delay time (tr) / for L-tripping / with 12t characteristic • minimum • maximum • maximum adjustable current response value current / for G-tripping / with standard characteristic • initial value • full-scale value 150 A adjustable response value delay time (tg) / for G-tripping / with 10t characteristic • minimum • maximum • maximum • maximum • minimum 225 A • maximum • minimum 20	• minimum	
characteristic ininimum inimum inimum inimum inimum initial value inimum inimu		150 A
adjustable current response value current / for G-tripping / with standard characteristic initial value adjustable response value delay time (tg) / for G-tripping / with (the characteristic initial value adjustable response value delay time (tg) / for G-tripping / with (the characteristic ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value current / of instantaneous short-circuit trip unit ininimum adjustable current response value delay time (tg) / for G-tripping / with for A-tripping / with standard current circuit circuit circult current circuit circult circult current conductor terminal / for auxiliary circuit number of CO contacts / for auxiliary contacts product extension / optional / motor drive yes		
adjustable current response value current / for G-tripping / with standard characteristic initial value full-scale value adjustable response value delay time (tg) / for G-tripping / with 150 A adjustable response value delay time (tg) / for G-tripping / with 150 A adjustable response value delay time (tg) / for G-tripping / with 150 A adjustable current response value current / of instantaneous short-circuit trip unit minimum minimu	• minimum	0.5 s
standard characteristic initial value initial value full-scale value adjustable response value delay time (tg) / for G-tripping / with lot characteristic minimum maximum ous s maximum ous s minimum ous s minimu		20 s
full-scale value adjustable response value delay time (tg) / for G-tripping / with lot characteristic		
adjustable response value delay time (tg) / for G-tripping / with 10t characteristic • minimum • maximum 0.05 s adjustable current response value current / of instantaneous short-circuit trip unit • minimum • minimum • minimum 1500 A • maximum 1500 A Pres total break time / for G-tripping / with standard characteristic • intital value • intital value • full-scale value 0.05 s • full-scale value No Mechanical Design product component • undervoltage release • voltage trigger • trip indicator No height [in] 7.8 in height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width depth [in] 3.39 in depth Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit type of electrical connection / for main current circuit type of electrical connection / for main current circuit front connection arrangement of electrical connectors / for main current circuit front connection arrangement of electrical connection / for main current circuit front connection circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	initial value	
Interest		150 A
minimum makinum makin		
maximum adjustable current response value current / of instantaneous short-circuit trip unit minimum maximum modes for description / grounding protection maximum modes for description / grounding protection total break time / for G-tripping / with standard characteristic initial value modes for description / grounding protection modes for description / grounding protection where in the for G-tripping / with standard characteristic initial value modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection modes for description / grounding protection / grounding protection mumber of CO contacts / for auxiliary contacts O Accessories product extension / optional / motor drive Yes		0.05 s
adjustable current response value current / of instantaneous short-circuit trip unit • minimum • maximum 1 500 A product function / grounding protection total break time / for G-tripping / with standard characteristic • initial value • full-scale value 0.0.5 s • full-scale value 0.8 s Mechanical Design		
short-circuit trip unit minimum maximum product function / grounding protection yes total break time / for G-tripping / with standard characteristic initial value full-scale value 0.8 s Mechanical Design product component undervoltage release voltage trigger rip indicator height [in] height 198 mm width [in] type of connectable conductor cross-sections / of the round conductor terminal / stranded width depth [in] depth [in] 3.39 in depth (in] formal formal current circuit front connections arrangement of electrical connectors / for main current circuit fype of electrical connector / for main current circuit front connection Accessories product extension / optional / motor drive Yes		0.00
maximum product function / grounding protection yes total break time / for G-tripping / with standard characteristic initial value full-scale value 0.8 s Mechanical Design product component undervoltage release voltage trigger trip indicator height [in] height 198 mm width [in] type of connectable conductor cross-sections / of the round conductor terminal / stranded width [in] depth 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit rumber of CO contacts / for auxiliary contacts O.05 s 0.05 s 0.05 s 0.05 s 0.05 s 0.05 s 0.05 s 0.07 s 0.08 s Mechanical Design No No No No No No No No 106 mm 1 x (14 AWG - 1/0) 2.39 in 3.39 in 4.30 in 4.30 in 4.40 in 4.41 in 4.41 in 4.42 in 4.43 in 4.44 in 4.44 in 4.44 in 4.44 in 4.45 in 4.46 in 4.47 in 4.48 in 4.49 in 4.49 in 4.40 in 4	short-circuit trip unit	
product function / grounding protection Yes total break time / for G-tripping / with standard characteristic initial value full-scale value 0.8 s Mechanical Design product component undervoltage release voltage trigger voltage trigger voltage trigger in time in the intervoltage in the intervoltage in time	• minimum	225 A
total break time / for G-tripping / with standard characteristic initial value full-scale value 0.05 s 6 tull-scale value 0.8 s Mechanical Design product component undervoltage release voltage trigger No trip indicator No height [in] 7.8 in height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	• maximum	1 500 A
initial value full-scale value o.8 s Mechanical Design product component undervoltage release voltage trigger voltage tri	product function / grounding protection	Yes
	total break time / for G-tripping / with standard characteristic	
Product component • undervoltage release • voltage trigger • volt	• initial value	0.05 s
product component • undervoltage release • voltage trigger • No • trip indicator No height [in] 7.8 in height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Product extension / optional / motor drive No 198 mm 198 mm 1 x (14 AWG - 1/0) x (14 AWG - 1/0) x (15 mm 1 x (14 AWG - 1/0) x (16 mm 1 x (14 AWG - 1/0) x (17 mm 1 x (14 AWG - 1/0) x (18 mm 2 mm 3 x (19 mm 4 mm 4 x (19 mm 4 x	• full-scale value	0.8 s
undervoltage release voltage trigger No trip indicator No height [in] 7.8 in height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts O Accessories product extension / optional / motor drive Yes	Mechanical Design	
voltage trigger	product component	
• trip indicator height [in] 7.8 in height width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	undervoltage release	No
height [in] 7.8 in height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	 voltage trigger 	No
height 198 mm width [in] 4.13 in type of connectable conductor cross-sections / of the round conductor terminal / stranded 1 x (14 AWG - 1/0) width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit Front connection type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	• trip indicator	No
width [in] type of connectable conductor cross-sections / of the round conductor terminal / stranded width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes	height [in]	7.8 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes		198 mm
width 105 mm depth [in] 3.39 in depth 86 mm Connections arrangement of electrical connectors / for main current circuit Front connection type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes		
depth 86 mm Connections arrangement of electrical connectors / for main current circuit Front connection type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive 3.39 in 3.39 in 3.39 in 46 mm Front connection 0 Output 17		1 x (14 AWG - 1/0)
depth 86 mm Connections arrangement of electrical connectors / for main current circuit Front connection type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive 86 mm 60 Minimum 10 Mi	width	105 mm
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes		
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Front connection circular conductor terminal on both sides 0 Accessories	·	86 mm
type of electrical connection / for main current circuit circular conductor terminal on both sides Auxiliary circuit number of CO contacts / for auxiliary contacts 0 Accessories product extension / optional / motor drive Yes		
Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes		Front connection
number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Yes	• •	circular conductor terminal on both sides
Accessories product extension / optional / motor drive Yes	Auxiliary circuit	
product extension / optional / motor drive Yes	number of CO contacts / for auxiliary contacts	0
· · · · · · · · · · · · · · · · · · ·		
Environmental conditions	<u> </u>	Yes
	Environmental conditions	

protection class IP / on the front	IP40
ambient temperature	
 during operation / minimum 	-25 °C
 during operation / maximum 	70 °C
during storage / minimum	-40 °C
during storage / maximum	80 °C
Certificates	
reference code / according to IEC 81346-2	Q
certificate of suitability / as approval for NAVAL (no combat vessels) / supplement SB	Yes
General Product Approval	

Confirmation







Miscellaneous



Declaration of Conformity

Marine / Shipping

other

Dangerous Good







Confirmation

Miscellaneous

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA6115-7KM36-2AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6115-7KM36-2AA0

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

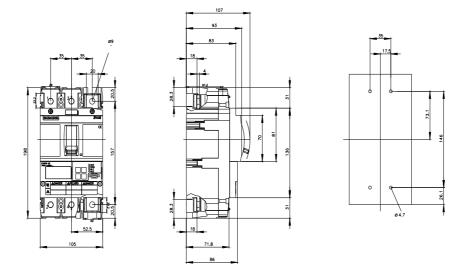
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6115-7KM36-2AA0

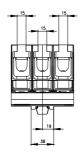
CAx-Online-Generator

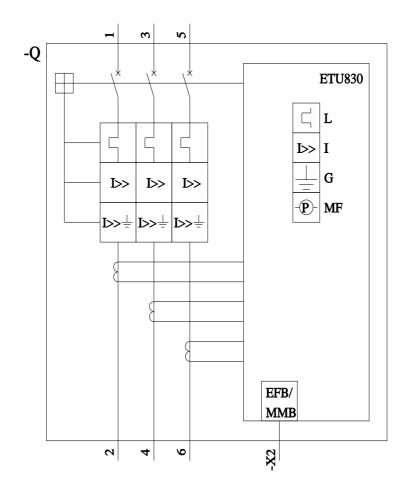
http://www.siemens.com/cax

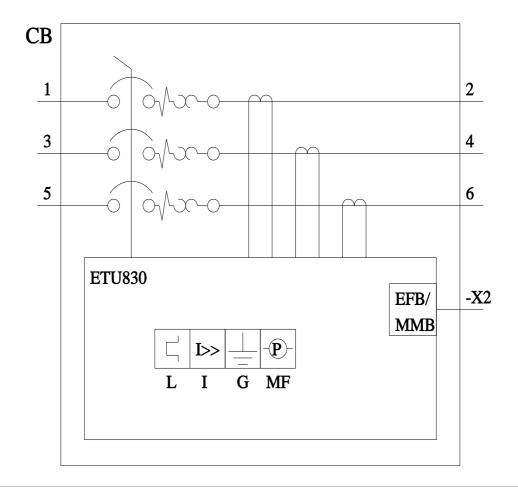
Tender specifications

http://www.siemens.com/specifications









last modified: 8/14/2023 🖸



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3VA61157KM362AA0