SIEMENS

Data sheet 3VA2163-7HM36-0AA0

circuit breaker 3VA2 IEC frame 160 breaking capacity class C Icu=110kA @ 415V 3-pole, line protection ETU330, LIG, In=63A overload protection Ir=25A...63A short-circuit protection Ii=1.5...12 x In ground-fault protection Ig=0.25... 1 x In, tg=0.1/0.3s clamp connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	ETU330
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	4 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.33 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
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	No
● other measurement function	No
Net Weight	2.5 kg
Current	
operational current	
● at 40 °C	63 A
● at 45 °C	63 A
● at 50 °C	63 A
● at 55 °C	63 A
● at 60 °C	63 A
● at 65 °C	63 A
● at 70 °C	63 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	C
maximum short-circuit current breaking capacity (Icu)	
● at 240 V	150 kA
● at 415 V	110 kA
● at 440 V	110 kA
● at 500 V	85 kA
● at 690 V	2.5 kA
operating short-circuit current breaking capacity (Ics)	

Subject to change without notice
© Copyright Siemens

● at 240 V	150 kA
● at 415 V	110 kA
● at 440 V	110 kA
● at 500 V	85 kA
● at 690 V	2.5 kA
short-circuit current making capacity (Icm)	
● at 240 V	330 kA
● at 415 V	242 kA
● at 440 V	242 kA
● at 500 V	187 kA
● at 690 V	3.7 kA
Adjustable parameters	
product feature / for L-tripping / can be switched on/off	No
adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic	
● minimum	25 A
● maximum	63 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
● minimum	0.5 s
● maximum	17 s
adjustable response value setting current (Ii) / for I-tripping	
● minimum	95 A
● maximum	756 A
adjustable current response value current / for G-tripping / with standard characteristic	
● initial value	16 A
● full-scale value	63 A
adjustable response value delay time (tg) / for G-tripping / with I0t characteristic	
● maximum	0.3 s
adjustable setting current (InN) / for N-tripping	
● minimum	0 A
● maximum	0 A
product function / grounding protection	Yes
Mechanical Design	
product component	
● undervoltage release	No
● voltage trigger	No
● trip indicator	No
height [in]	7.13 in
height	181 mm
width [in]	4.13 in
type of connectable conductor cross-sections / of the round conductor terminal / stranded	1 x (6-120 mm²)
width	105 mm
depth [in]	3.39 in
depth	86 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal
type of electrical connection / for main current circuit	double-sided box terminal
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	tin
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	tin
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
Accessories	
product extension / optional / motor drive	Yes
Environmental conditions	
protection class IP / on the front	IP40
ambient temperature	

Subject to change without notice
© Copyright Siemens

● 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

General Product Approval

Confirmation

Miscellaneous

EMC

Declaration of Conformity

Test Certificates

Miscellaneous | Type Test Certificates/Test Report | Special Test Certificate

Marine / Shipping

Marine / Shipping

CCS / China Classification Society

other

Miscellaneous | Confirmation | Miscellaneous

Dangerous Good

Transport Information

Environment

Environmental Confirmations

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=3VA2163-7HM36-0AA0

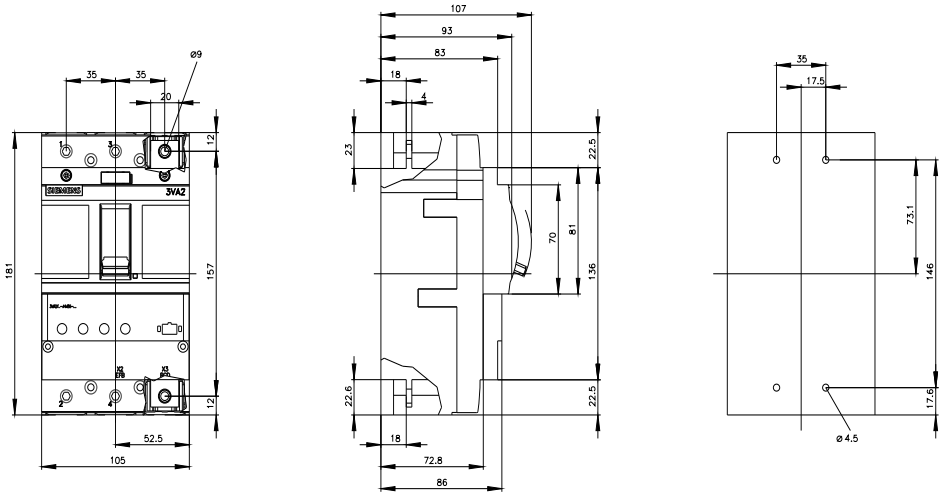
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2163-7HM36-0AA0

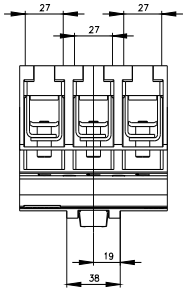
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2163-7HM36-0AA0

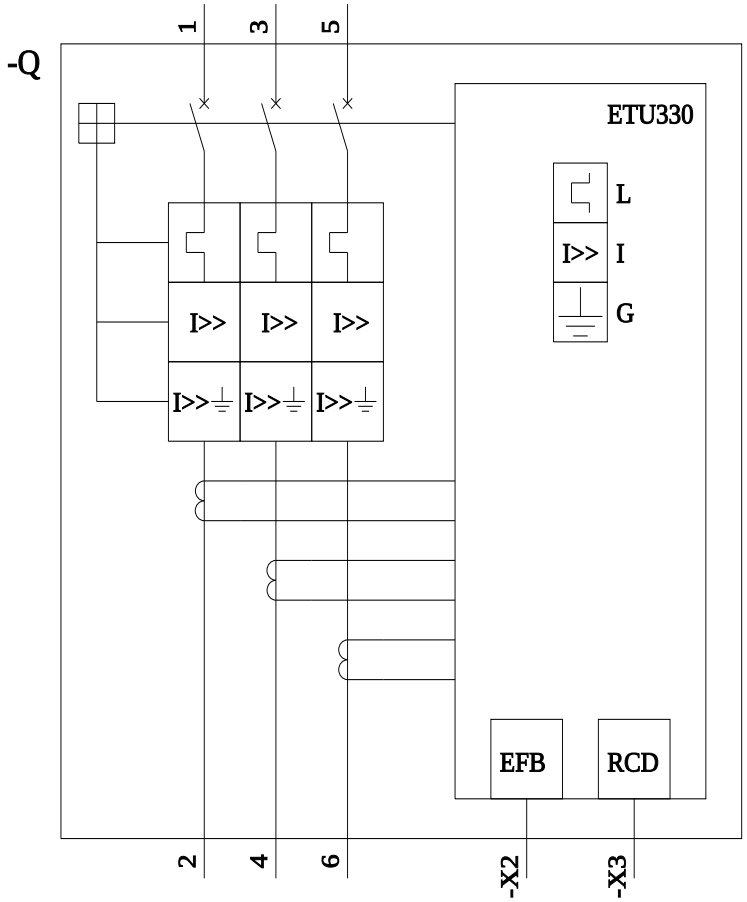
CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

Subject to change without notice
© Copyright Siemens







last modified: 8/14/2023

Subject to change without notice
© Copyright Siemens

Subject to change without notice
© Copyright Siemens

Subject to change without notice
© Copyright Siemens

Mouser Electronics

Authorized Distributor

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

Siemens:

3VA21637HM360AA0