



circuit breaker 3VA2 IEC frame 400 breaking capacity class E $I_{cu}=200 \text{ kA @ } 415 \text{ V}$
 3-pole motor protection ETU860M, LSIG, $I_n=250\text{A}$ overload protection $I_r=100\text{A}$...
 250A short circuit protection $I_{sd}=1,2...15 \times I_n$, $I_i=3...15 \times I_n$ busbar connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Motor protection
design of the overcurrent release	ETU860M
protection function of the overcurrent release	LSIG
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
operating power / at AC-3 / at 400 V	110 000 W
operating power / at AC-3 / at 230 V	55 000 W
power loss [W] / maximum	37.5 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	12.5 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	6 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 200
electrical endurance (operating cycles) / at AC-3 / at 380/415 V	4 000
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	Yes
• phase failure detection	Yes
• other measurement function	Yes
Net Weight	5.05 kg
Current	
operational current	
• at 40 °C	250 A
• at 45 °C	250 A
• at 50 °C	250 A
• at 55 °C	250 A
• at 60 °C	250 A
• at 65 °C	250 A
• at 70 °C	250 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	E
maximum short-circuit current breaking capacity (I_{cu})	
• at 415 V	200 kA
• at 690 V	85 kA

operating short-circuit current breaking capacity (Ics) - at 415 V - at 690 V	200 kA 65 kA
short-circuit current making capacity (Icm) - at 415 V - at 690 V	440 kA 187 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 - maximum	100 A 250 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic - minimum - maximum	3 s 30 s
adjustable response value setting current (Isd) / of S-trip / with I0t characteristic - minimum - maximum	300 A 3 750 A
adjustable response value delay time (tsd) / for S-tripping / with I0t characteristic - minimum - maximum	0.03 s 0.03 s
adjustable response value setting current (Ii) / for I-tripping - minimum - maximum	750 A 3 750 A
adjustable current response value current / for G-tripping / with standard characteristic - initial value - full-scale value	50 A 250 A
adjustable response value delay time (tg) / for G-tripping / with I0t characteristic maximum	0.8 s
adjustable response value setting current (Ig) / for G-tripping / with I2t characteristic - minimum - maximum	50 A 250 A
adjustable response value delay time (tg) / for G-tripping / with I2t characteristic - minimum - maximum	0.05 s 0.8 s
adjustable absolute value setting current (InN) / for N-tripping - minimum - maximum	0 A 0 A
product function / grounding protection	Yes
adjustable trip class (Tc CLASS)	10A, 10/10E, 20/ 20E, 30/30E
tripping time (Tp) / with adjustable trip class (Tc CLASS) - minimum - maximum	3 s 30 s
Mechanical Design	
product component - undervoltage release - voltage trigger - trip indicator	No No No
height [in]	9.76 in
height	248 mm
width [in]	5.43 in
width	138 mm
depth [in]	4.33 in
depth	110 mm
Connections	
arrangement of electrical connectors / for main current circuit	Front terminal

type of electrical connection / for main current circuit	on both sides nut keeper kit
type of connectable conductor cross-sections / for flat-bar terminal connection / minimum	20 x 1 mm
type of connectable conductor cross-sections / for flat-bar terminal connection / maximum	35 x 10 mm
design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)	silver
design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)	silver

Auxiliary circuit

number of CO contacts / for auxiliary contacts	0
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Accessories

product extension / optional / motor drive	Yes
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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
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General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)

[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping	other
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[Special Test Certificate](#)

[Miscellaneous](#)

[CCS / China Classification Society](#)

[Miscellaneous](#)

[Confirmation](#)

other	Dangerous Good	Environment
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[Miscellaneous](#)

[Transport Information](#)

[Environmental Conformations](#)

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=3VA2325-0MQ32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2325-0MQ32-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-0MQ32-0AA0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



