SIEMENS

Data sheet



circuit breaker 3VA2 IEC frame 400 breaking capacity class E Icu=200 kA @ 415 V 3-pole motor protection ETU860M, LSIG, In=250A overload protection Ir=100A ... 250A short circuit protection Isd=1,2...15xIn, Ii=3...15xIn 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/retrofittable / 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 (Icu)	
• at 415 V	200 kA
● at 690 V	85 kA

operating short-circuit current breaking capacity (Ics)	
• at 415 V	200 kA
• at 690 V	65 kA
short-circuit current making capacity (Icm)	
• at 415 V	440 kA
• at 690 V	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	100 A
maximum	250 A
adjustable response value delay time (tr) / for L-tripping / with I2t characteristic	
• minimum	3 s
maximum	30 s
adjustable response value setting current (lsd) / of S-trip / with l0t characteristic	
• minimum	300 A
• maximum	3 750 A
adjustable response value delay time (tsd) / for S-tripping / with l0t characteristic	
• minimum	0.03 s
• maximum	0.03 s
adjustable response value setting current (li) / for I-tripping	
• minimum	750 A
maximum	3 750 A
adjustable current response value current / for G-tripping / with standard characteristic	
initial value	50 A
full-scale value	250 A
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic	
• maximum	0.8 s
adjustable response value setting current (lg) / for G-tripping / with l2t characteristic	
• minimum	50 A
• maximum	250 A
adjustable response value delay time (tg) / for G-tripping / with I2t characteristic	0.05
• minimum	0.05 s
• maximum	0.8 s
adjustable absolute value setting current (InN) / for N-tripping	
• minimum	0 A
• maximum	_ 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	3 s
• maximum	30 s
Mechanical Design	
product component	
undervoltage release	No
 voltage trigger 	No
trip indicator	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	

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		
Accessories			
product extension / optional / motor drive	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		
General Product Approval		EMC	Declaration of Conformity



Confirmation

Miscellaneous







Declaration of Conformity	Test Certificates		Marine / Shipping	other	
UK	Special Test Certificate	Miscellaneous	CCS / China Classification Society	Miscellaneous	Confirmation

other	Dangerous Good	Environment
<u>Miscellaneous</u>	Transport Information	Environmental Con- firmations

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,...)

<u> http://www.siemens.com/lowvoltage/catalogs</u>

Industry Mall (Online ordering system)

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, ...)

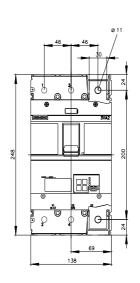
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-0MQ32-0AA0

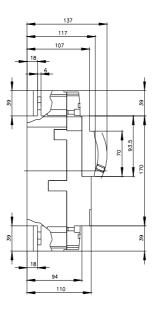
CAx-Online-Generator

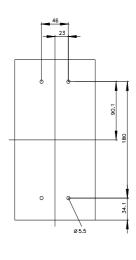
http://www.siemens.com/cax

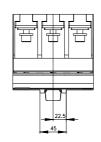
Tender specifications

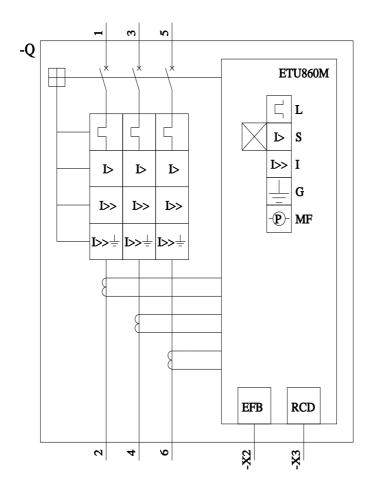
http://www.siemens.com/specifications











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