



CIRCUIT BREAKER 3VA2 IEC FRAME 250 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, MOTOR PROTECTION ETU860M, LSIG, IN=160A OVERLOAD PROTECTION IR=63A ...160A SHORT CIRCUIT PROTECTION ISD=1,2...15X IN, II=3...15X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT,UPTO 160% GROUND-FAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,05-0,8S 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
Protective function of the overcurrent release	LSIG
Number of poles	3

General technical data	
Mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	10 000
Electrical endurance (switching cycles) / at AC-3 / at 380/415 V 50/60 Hz	5 000
Neutral conductors / upgradeable/retrofitable	No
Ground fault monitoring version	Summation current formation L-conductor

Switching capacity	
Switching capacity class of the circuit breaker	M

Adjustable parameters	
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Adjustable response value current / lg min.	3
Adjustable response value current / lg min.	20
Short-term delayed / tripping switchable / I2t=ON/OFF	No
Ground fault protection can be switched ON/OFF	Yes
Ground fault protection / tripping switchable / I2t=ON/OFF	Yes

Connections

Arrangement of electrical connectors / for main current circuit	Front terminal
Type of electrical connection / for main current circuit	Lug terminal
Type of connectable conductor cross-section, connection screw, width x thickness , min.	13 x 1 mm
Type of connectable conductor cross-section, connection screw, width x thickness , max.	25 x 8.5

Accessories

Product extension / optional / motor drive	Yes
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Environmental conditions

Protection class IP / on the front	IP40
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Certificates

General Product Approval	EMC	Declaration of Conformity	Test Certificates	other
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[RCM](#)



EG-Konf.

[sonstig](#)

[sonstig](#)

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/3VA22165MQ320AA0>

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

<http://support.automation.siemens.com/WW/view/en/3VA22165MQ320AA0/all>

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

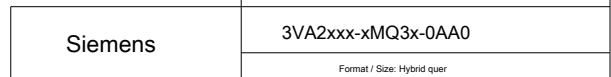
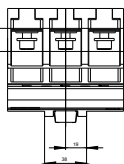
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA22165MQ320AA0

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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