



circuit breaker 3VA2 IEC frame 160 breaking capacity class E Icu=200 kA @ 415 V 3-pole, line protection ETU330, LIG, In=40A overload protection Ir=16A ... 40A short circuit protection Ii=1,5...12 x In ground fault protection Ig=0,4... 1 x In, tg=0,1/0,3s busbar connection

Model	
product brand name	SENTRON
product designation	Molded case circuit breaker
Product version	Line protection
design of the overcurrent release	ETU330
protection function of the overcurrent release	LIG
number of poles	3
General technical data	
Tension assignée d'isolement Ui	800 V
power loss [W] / maximum	1.2 W
Active power loss / for rated value of the current / at AC / in hot operating state / per pole	0.4 W
mechanical service life (switching cycles) / typical	20 000
Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz	12 000
Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz	8 000
Neutral conductors / upgradeable/retrofitable	No
ground-fault monitoring version	Summation current formation L-conductor
product function	
• communication function	No
• other measurement function	No
Current	
operational current	
• at 40 °C	40 A
• at 45 °C	40 A
• at 50 °C	40 A
• at 55 °C	40 A
• at 60 °C	40 A
• at 65 °C	40 A
• at 70 °C	40 A
Switching capacity according to IEC 60947	
breaking capacity maximum short-circuit current (Icu)	
• at 415 V	200 kA
• at 690 V	85 kA
breaking capacity operating short-circuit current (Ics)	
• at 415 V	200 kA
• at 690 V	65 kA

short-circuit current making capacity (I _{cm})	
• at 415 V	440 kA
• at 690 V	187 kA

Adjustable parameters

Adjustable response value current / I _g min.	16 A
Adjustable response value current / I _g min.	40 A
Adjustable response value current / I _g min.	0.5
Adjustable response value current / I _g min.	17
Adjustable response value current / I _i min.	60 A
Adjustable response value current / I _i max.	480 A
Ground fault protection / tripping switchable / I _{2t} =ON/OFF	Yes
Adjustable response value current / I _g min.	16 A
Adjustable response value current / I _g max.	40 A
Adjustable response value current / t _g min.	0.1 s
Adjustable response value current / I _g min.	0.3 s

Mechanical Design

height [in]	7.1 in
Height	181 mm
width [in]	4.1 in
Width	105 mm
depth [in]	3.4 in
depth	86 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-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 mm

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 / acc. to IEC 81346-2	Q
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General Product Approval	EMC	Declaration of Conformity	Test Certificates
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[Miscellaneous](#)



[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval

other



LRS

[CCS / China Classification Society](#)

[Manufacturer Declaration](#)

[Miscellaneous](#)

Further information

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?mfb=3VA2140-0HM32-0AA0>

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

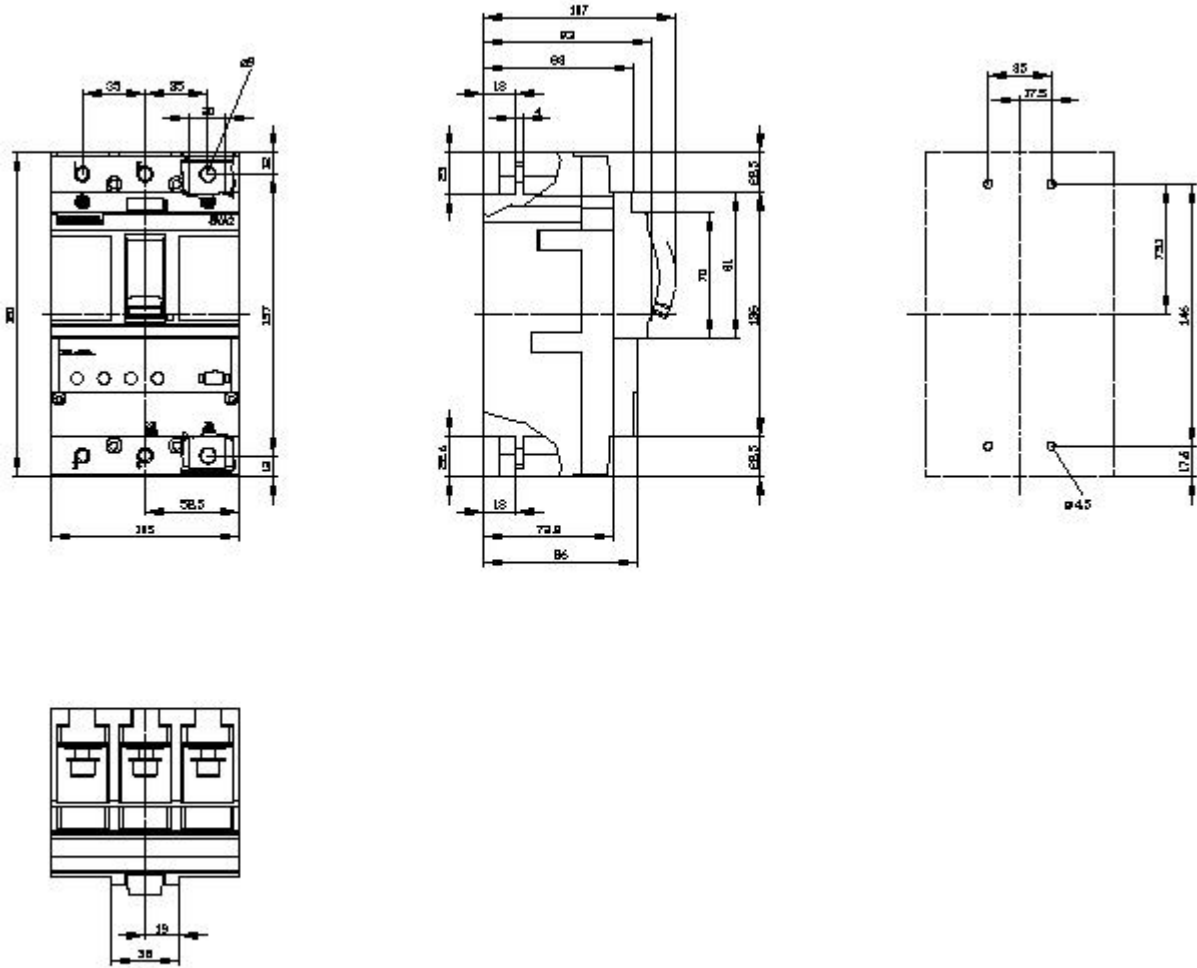
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2140-0HM32-0AA0>

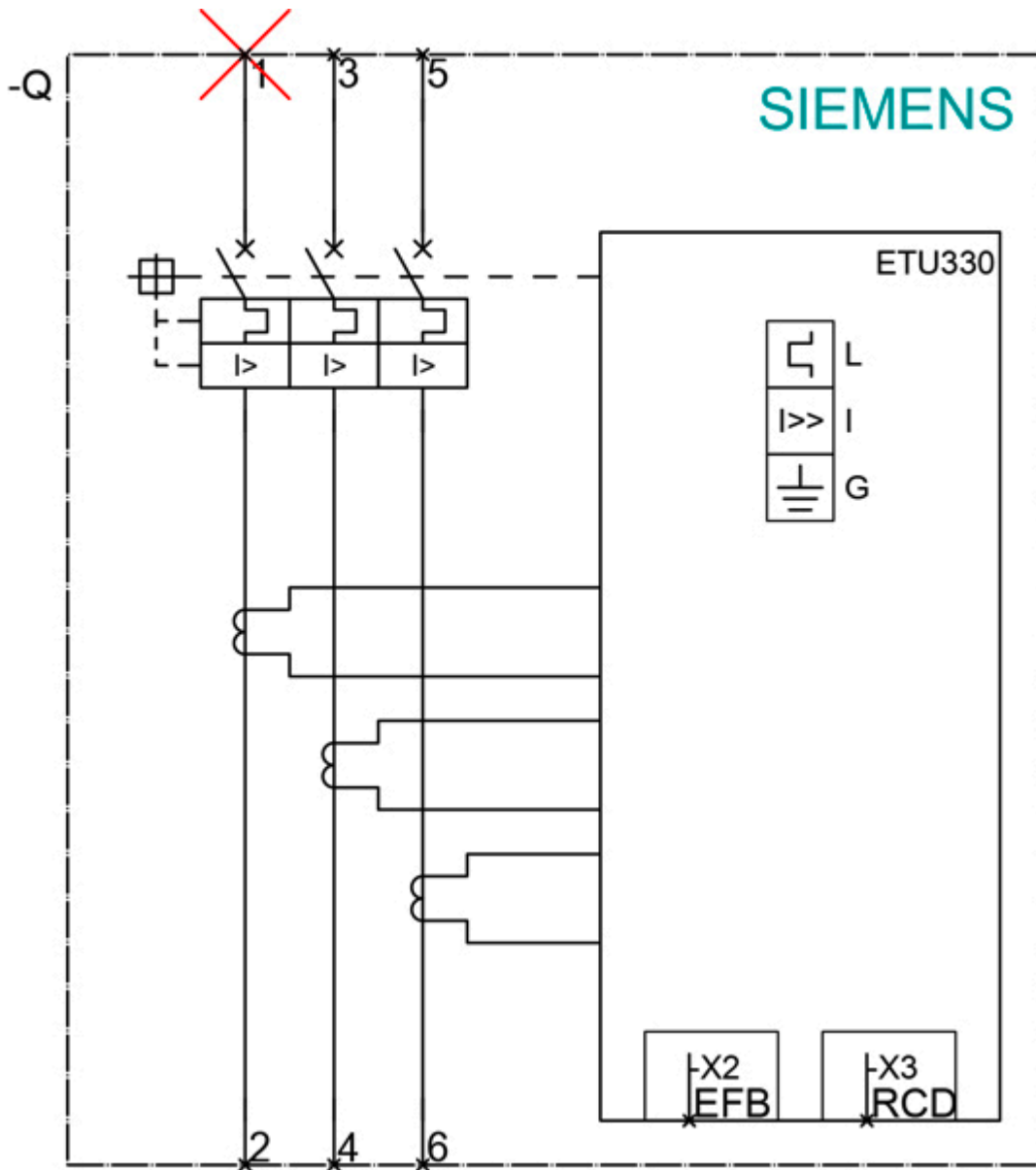
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA2140-0HM32-0AA0

Tender specifications

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





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