

Siemens  
EcoTech



circuit breaker 3VA6 UL Frame 400 breaking capacity class E 200 kA @ 480 V 3-pole, line protection ETU350, LSI, In=250 A overload protection Ir=100 A ... 250 A short-circuit protection I<sub>sd</sub>=1.5... 10 x I<sub>r</sub>, I<sub>i</sub>=12 x I<sub>n</sub> without connection



Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	EJAE
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the overcurrent release	ETU350
protection function of the overcurrent release	LSI
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	27 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9 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 480 V	6 000
electrical endurance (operating cycles) / at 600 V	4 200
product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof	No
ground-fault monitoring version	without
product function	
• communication function	No
• other measurement function	No
Net Weight	5.3 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
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
<b>Switching capacity according to IEC 60947</b>	
switching capacity class of the circuit breaker	E
maximum short-circuit current breaking capacity (I <sub>cu</sub> )	
• at 415 V	150 kA
• at 690 V	6.5 kA
operating short-circuit current breaking capacity (I <sub>cs</sub> )	
• at 415 V	150 kA
• at 690 V	6.5 kA
short-circuit current making capacity (I <sub>cm</sub> )	
• at 415 V	440 kA
• at 690 V	11 kA
<b>Switching capacity according to UL 489</b>	
current breaking capacity	
• at 480 V	200 kA
• at 600 V	100 kA
<b>Adjustable parameters</b>	
adjustable response value setting current (I <sub>r</sub> ) / of the L-trip / with I <sub>2t</sub> characteristic	
• minimum	100 A
• maximum	250 A
adjustable response value delay time (t <sub>r</sub> ) / for L-tripping / with I <sub>2t</sub> characteristic	
• minimum	0.5 s
• maximum	17 s
adjustable response value setting current (I <sub>sd</sub> ) / of S-trip / with I <sub>0t</sub> characteristic	
• minimum	375 A
• maximum	2 500 A
adjustable response value setting current (I <sub>sd</sub> ) / of S-trip / with I <sub>2t</sub> characteristic	
• minimum	375 A
• maximum	2 500 A
adjustable response value delay time (t <sub>sd</sub> ) / for S-tripping / with I <sub>2t</sub> characteristic	
• minimum	0.0001 s
• maximum	0.4 s
adjustable response value setting current (I <sub>i</sub> ) / for I-tripping	
• minimum	3 000 A
• maximum	3 000 A
adjustable setting current (I <sub>nN</sub> ) / for N-tripping	
• minimum	0 A
• maximum	0 A
product function / grounding protection	No
<b>Mechanical Design</b>	
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
<b>Connections</b>	
arrangement of electrical connectors / for main current circuit	Without connection
type of electrical connection / for main current circuit	Without
<b>Auxiliary circuit</b>	
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

## Environmental footprint

Environmental Product Declaration (EPD) Yes

global warming potential [CO2 eq] / total 495 kg

global warming potential [CO2 eq] / during manufacturing 28.7 kg

global warming potential [CO2 eq] / during operation 470 kg

global warming potential [CO2 eq] / after end of life -4.07 kg

Siemens Eco Profile (SEP) Siemens EcoTech

reference code / according to IEC 81346-2 Q

## Approvals / Certificates

### General Product Approval



[Miscellaneous](#)

General Product Approval	EMV	Test Certificates	Maritime application	other
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[Type Test Certificates/Test Report](#)



[Confirmation](#)

other	Dangerous goods	Environment
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[Miscellaneous](#)

[Transport Information](#)



Siemens EcoTech



[Environmental Confirmations](#)

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA6325-0HN31-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA6325-0HN31-0AA0>

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

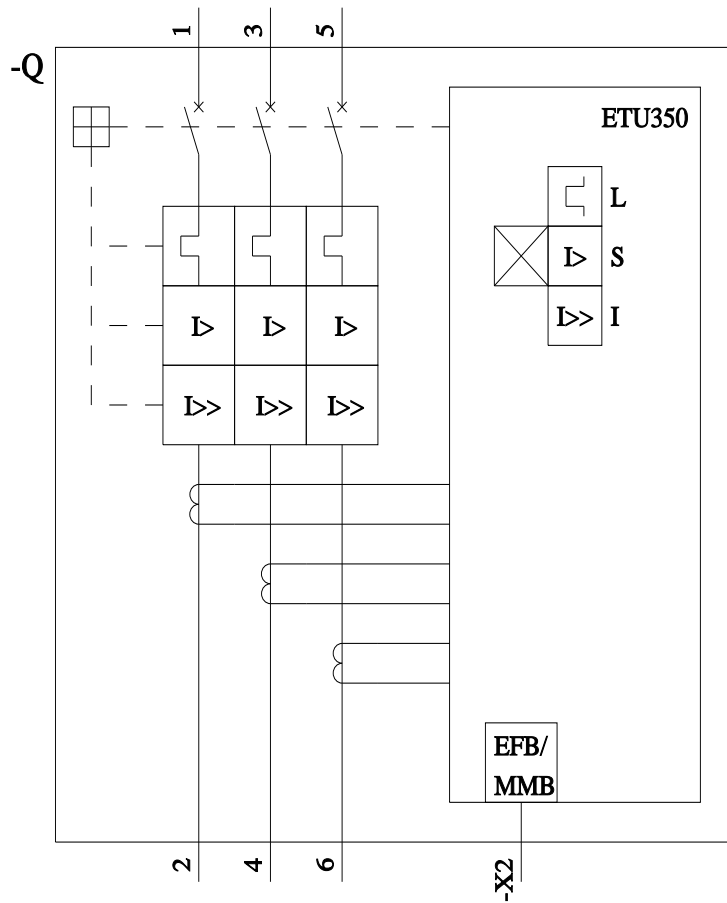
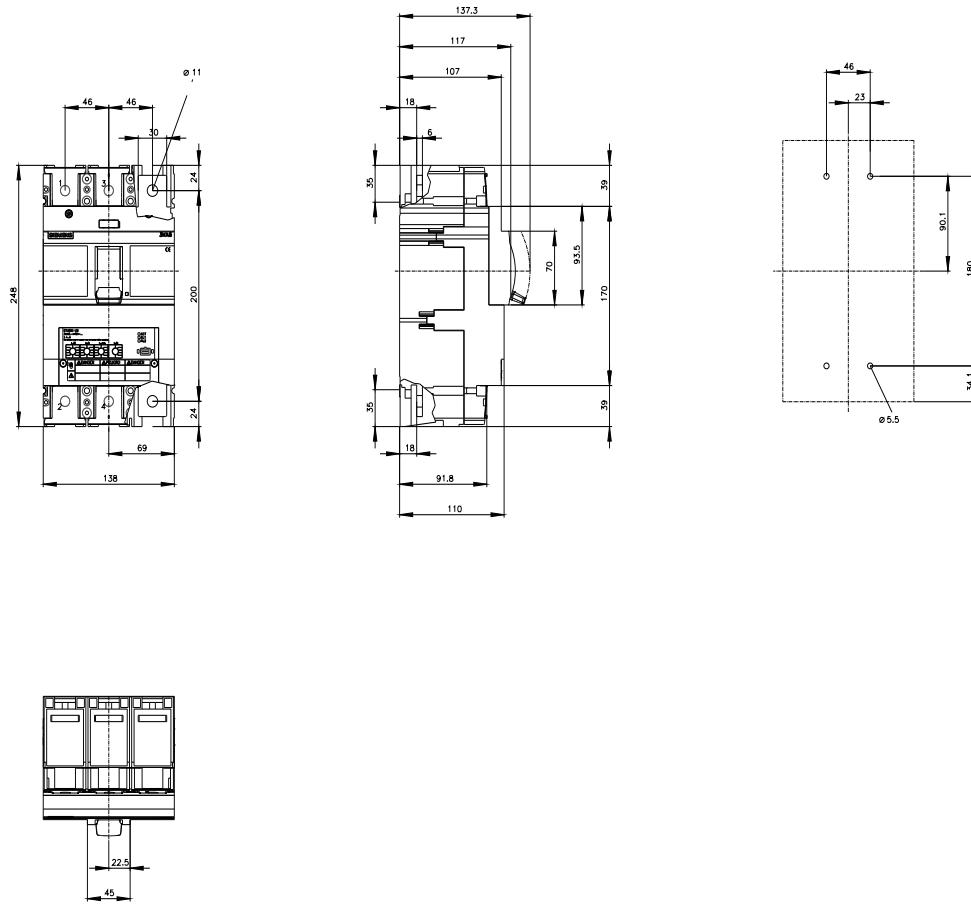
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA6325-0HN31-0AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA6325-0HN31-0AA0)

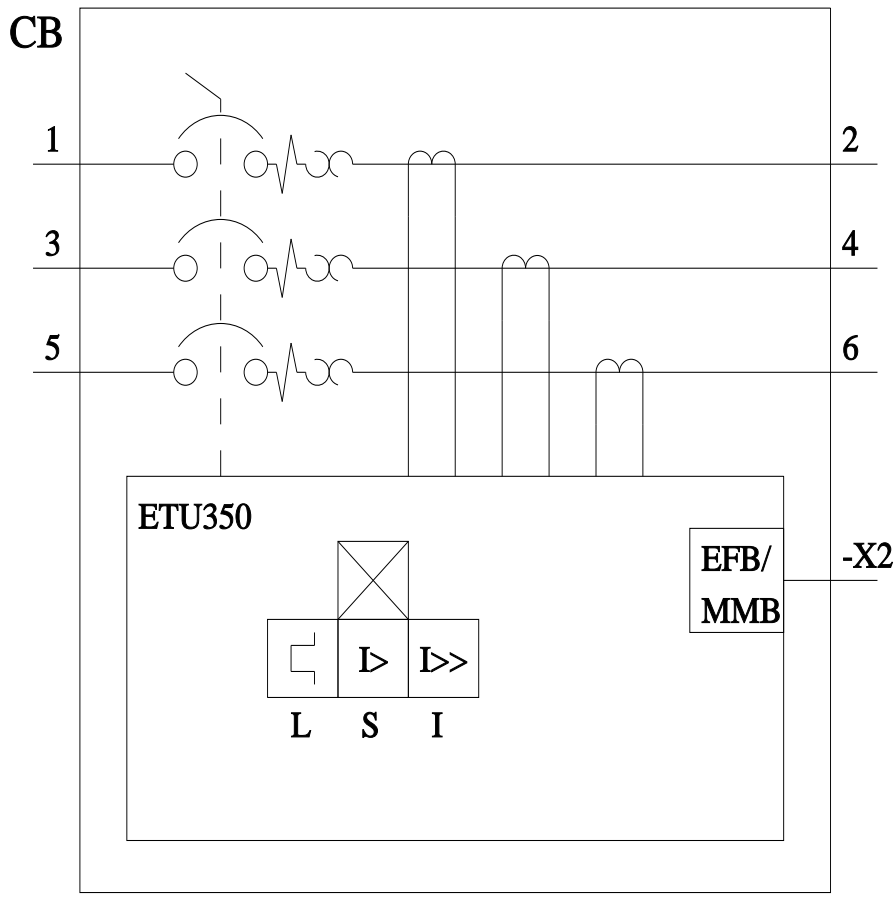
### CAX-Online-Generator

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

### Tender specifications

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





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