



24 V module accessory for: 3VA20/21/22

Model	
product brand name	SENTRON
product designation	24 V module
accessories	Communication and measurement function
General technical data	
suitability for operation	3VA2 100/160/250
mounting position	Right switch pocket
degree of pollution	3
overvoltage category	I
operating resource protection class	III (according to IEC 61558)
protection class IP	IP20 according to IEC60529
Voltage	
Rated control supply voltage U_s with DC / maximal	24 V
Current	
product function	
<ul style="list-style-type: none"> • electronic tripping unit power supply 	Yes
<ul style="list-style-type: none"> • detection of switch position: On, Off, Tripped 	No
<ul style="list-style-type: none"> • communication with function module 	No
<ul style="list-style-type: none"> • communication with motor drive 	No
<ul style="list-style-type: none"> • communication with residual current equipment 	No
<ul style="list-style-type: none"> • data exchange with the electronic tripping unit 	No
power loss [W] / rated value	2.4 W
control supply voltage / at DC / rated value / maximum	24 V
relative symmetrical tolerance / of the operating range of the control feed voltage	20 %
consumed current / maximum	0.1 A
Mechanical Design	
height	63 mm
width	29 mm
number of slots	4
depth	33 mm
Net Weight	87 g
Connections	
type of electrical connection / at the inputs for supply voltage	screw-type terminals
connectable conductor cross-section / solid	
<ul style="list-style-type: none"> • minimum 	0.5 mm ²
<ul style="list-style-type: none"> • maximum 	1.5 mm ²
connectable conductor cross-section / finely stranded / with core end processing	

• minimum	0.5 mm ²
• maximum	0.75 mm ²
type of connectable conductor cross-sections / at the digital inputs / for AWG cables / solid	20 to 16
tightening torque / with screw-type terminals / minimum	0.22 N·m
tightening torque / with screw-type terminals / maximum	0.25 N·m

Environmental conditions

ambient temperature / during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature / during transport	
• minimum	-40 °C
• maximum	80 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C

Certificates

General Product Approval	EMV
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[Miscellaneous](#)



[Confirmation](#)



Test Certificates	Maritime application	other	Environment
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[Type Test Certificates/Test Report](#)



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

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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=3VA9187-0TB50>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9187-0TB50>

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

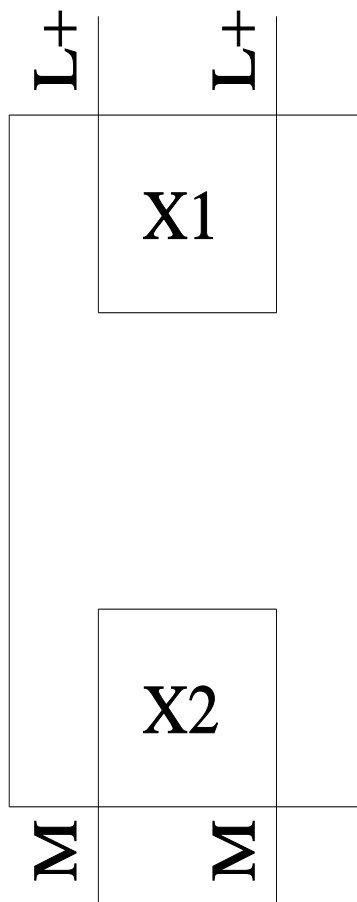
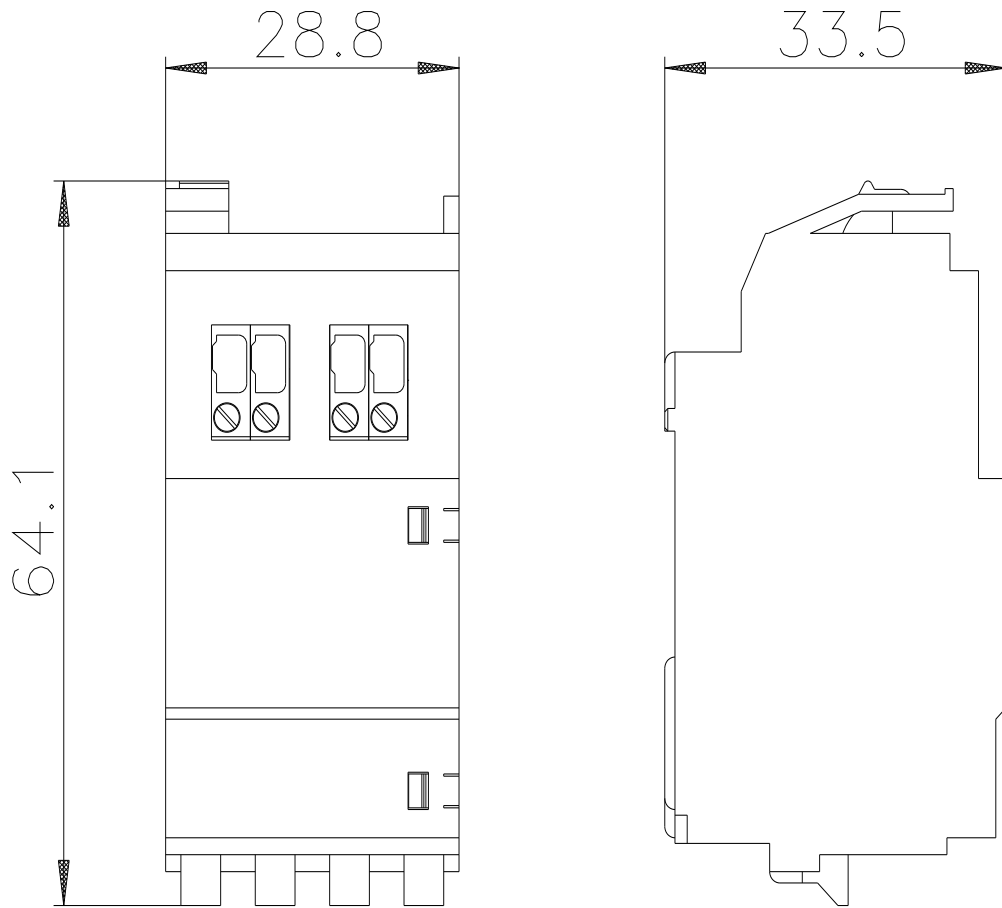
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9187-0TB50

CAX-Online-Generator

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

Tender specifications

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



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11/28/2025 