



AI-8310 ANALOG INPUT 2X2 PT100/PT1000 coated circuit board.

Figure similar

General technical data	
consumed active power / rated value / maximum	500 mW
surge voltage / rated value	2 kV
Inputs / Outputs	
number of analog inputs	4
design of analog input / configurable	Yes
A/D resolution / at the analog input	16 bit
design of the sensor / at the analog input / is supported / resistor temperature sensor	Yes
design of the sensor / at the analog input / is supported / thermocouple	No
output quantity / at analog output / current signal	No
output quantity / at analog output / voltage	No
Mechanical Design	
width	30 mm
height	132 mm
depth	124 mm
fastening method / DIN-rail mounting	Yes
fastening method / wall mounting	No
fastening method / rack mounting	No
type of electrical connection	screw connection
connectable conductor cross-section	0.33 ... 2.5 mm ²
material / of the enclosure	plastic
product feature / plug-in terminal blocks	Yes
product function / with function display	Yes
product function / status display	No
Degree of protection / protection class	
operating resource protection class	II
degree of pollution	2
protection class IP / on the front	IP40
Environmental conditions	
ambient temperature / during operation	-40 ... +70 °C
ambient temperature / during storage	-30 ... +85 °C
relative humidity	5 ... 95 %
mounting height in relation to mean sea level / maximum	3 000 m
air pressure / maximum	106 kPa
Approval certification	
certificate of suitability / CE marking	Yes

Further information

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- and Downloadcenter (catalogues, leaflets,...)

<https://www.siemens.com/energy-automation>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=6MF2831-0AC00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6MF2831-0AC00>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=6MF2831-0AC00

Tender specifications

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

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