

3.15 16 channels/0VDC/voltage distribution (DF50-M-DC-U-0)

- Application and connection type independent of fieldbus.
- Provide 16 channels of 24VDC rated voltage for external sites.
- Protection level IP20.



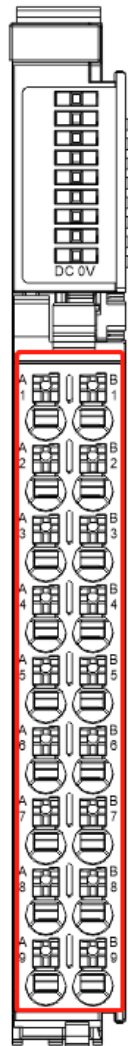
3.15.1 Specification parameters

Technical Information	
Product Description	Voltage distribution module, 16 channels, 0V
Number of channels	16

working voltage	0VDC (-15%~+20%)
Provide on-site voltage	0VDC (-15%~+20%)
Provide maximum on-site current	8A
Number of cross contact points for input power supply	2
Number of cross contact points for external power supply	2
Wiring parameters	
Connection technology: input end	PUSH-IN type wiring port
line type	Input
Crimping area of wire	0.14~1.5mm ² /26~16AWG
Strip length	8~10mm
Installation method	DIN-35 type guide rail
Material parameters	
Colour	Black
Housing material	PC plastic, PA66
Consistency flag	CE
Environmental requirements	
Permissible ambient temperature (during operation)	-25~60℃
Permissible ambient temperature(storage)	-40~85℃
Protection type	IP20
Pollution leve	2. Comply with IEC 61131-2 standard
Working altitude	Without temperature influence:0~2000m
Relative humidity (non condensing)	5~95%RH
Anti vibration	4g, Complies with IEC 60068-2-6 standard
Impact resistance	15g, Complies with IEC 60068-2-27 standard
EMC - Immunity	Complies with EN 61000-6-2 standard
EMC-Radiated Interference	Complies with EN 61000-6-3 standard
Corrosion resistance	Complies with IEC 60068-2-42 and IEC 60068-2-43 standards
Permissible H2S pollutant concentration at 75% relative humidity	10ppm
Permissible SO2 pollutant concentration at 75% relative humidity	25ppm

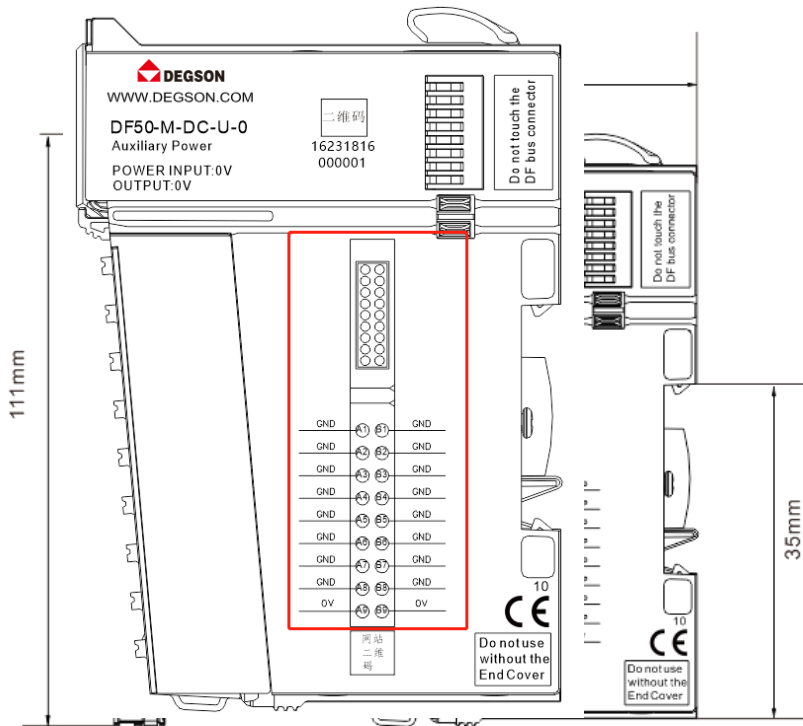
3.15.2 Hardware interface

3.15.2.1 Definition of wiring port



Serial Number		Signal	Explanatory note
A1	B1	On site power supply voltage 0VDC	Provide 16 channels of 0VDC rated voltage for external loads
A2	B2		
A3	B3		
A4	B4		
A5	B5		
A6	B6		
A7	B7		
A8	B8		
A9	B9	External input voltage 0VDC	External 0VDC voltage input across contact points

3.15.2.2 Wiring diagram



Each of the 16 channels can provide a rated voltage of 0VDC for external loads.

A9/B9 provides external 0VDC cross contact points.

3.15.3 Mechanical Installation

Installation dimensions

The installation size information is shown in the following figure.

