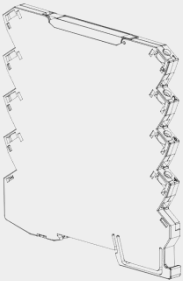


BM800-V/I-11

VI.0

Signal Isolator Installation

Supports 4-wire transmitters



Disclaimer

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The manufacturer reserves the right to revise product specifications without prior notice. Please consult local authorized distributors for the latest specifications before placing orders.

Product Description

The BM800-V/I-11 is a 6.2 mm thick signal isolator for DIN 35 mm rail mounting. It features a 1-in-1-out channel design with galvanic isolation between the input, output and power supply. It isolates and converts DC 0/2–10 V input signals into DC 0/4–20 mA output signals, with a 24 V DC power supply.

Electrical Specifications

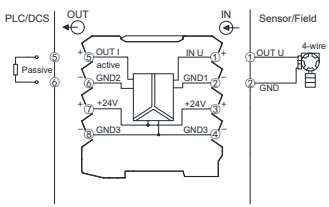
Model	BM800-V/I-11
Input Specifications	
Input channel	1
Input signal	DC 0/2-10V
Maximum Input Voltage	DC 13V
Maximum Input Impedance	2MΩ
Output Specifications	
Output channel	1
Available outputs	DC 0/4~20mA(Active Signals)
Max output current	DC 35mA
Output ripple	≤50mVpp(@250Ω)
Load capacity	≤550Ω

Power Supply Parameters	
Nominal supply	24V DC
Operating supply range	20~35V DC
Power consumption	≤2 W (Iout=20 mA, 24 V DC, 550 Ω load)
General Performance	
Conversion Accuracy	≤0. 1% (F. S.)
Temperature drift	50ppm/°C
Response time(10-90%)	≤5ms
Overvoltage category	II
Pollution degree	2
Ingress protection	IP20
Dielectric strength	1.5kV AC, 50Hz, 60s (between input, output and power circuits)
Insulation resistance	100MΩ
Overall dimension	W6.2mm × H97mm × D100mm
Weight	approx. 70g
Mounting	DIN35 standard rail

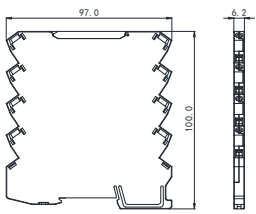
Wiring Specifications

Connection Type	Screw terminal connection
Solid single-core wire size	0.5~2.5mm²
Stranded flexible wire size	0.5~2.5mm²
AWG wire gauge	20~13
Wire stripping length	8mm
Ambient Specifications	
Operating ambient temperature	-20~60°C
Storage ambient temperature	-40~80°C
Max operating altitude	≤2000m
Relative ambient humidity	≤95%RH,non-condensing

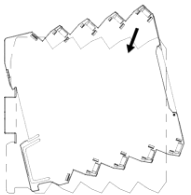
Product Application



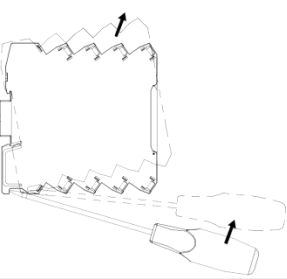
Product Dimensions (Unit: mm)



Installation



Removal



Product Wiring



Notes

The product shall be installed in an area where the ambient air contains no corrosive substances that damage chromium, nickel and silver platings.

Contact Information

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