

BNI00C6 Cut Sheet



Balluff temperature/analog combo converter, 1-channel, current/voltage/RTD/thermocouple, 16-bit, input RTD type(s): Pt100 and Pt1000, input thermocouple type(s): J, K, IO-Link v1.1, stainless steel housing, IP65 and IP67. Requires IO-Link master.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/BNI00C6>

Technical Specifications

Brand	Balluff
Item	Combo converter
I/O Module Type	Temperature/analog
Number Of Channels	1
Number Of Input Channels	1
Input Signal Type(s)	Current/voltage/RTD/thermocouple
Analog Input Signal Type	Current, voltage, RTD and thermocouple
Input RTD Signal Types	Pt100 and Pt1000
Input Thermocouple Signal Type	J, K
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	1
Resolution	16-bit
Input Resolution	16-bit
Input Current Signal Range	0-20 mA and 4-20 mA
Input Voltage Signal Range	0-5 VDC, 0-10 VDC, +/- 5 VDC and +/- 10 VDC
Output Signal Type	Current/voltage
Analog Output Signal Type	Current/voltage

Number of Non-Isolated Analog Output Commons	1
Number Of Output Channels	1
Number of Points per Analog Output Common	1
Output Current Signal Range	0-20 mA and 4-20 mA
Output Resolution	16-bit
Output Voltage Signal Range	0-5 VDC, 0-10 VDC, +/- 5 VDC and +/- 10 VDC
Analog I/O Port Type(s)	(1) 5-pin M12 A-coded
Communication Port and Connection Type(s)	(1) 4-pin M12 A-coded (IO-Link)
Port Protocol(s)	IO-Link Class A Device
Port Speed(s)	IO-Link COM2
IO-Link Version	IO-Link v1.1
External Power Requirement	24 VDC
Housing Material	Stainless steel
IP Rating	IP65 and IP67
Requires	IO-Link master
Programming Software	None, configure via IO-Link master

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/BNI00C6.pdf>
See store item page for other formats.