

analog isolated high level input module, Modicon X80, 8 HART inputs, 4 to 20mA, for severe environments

BMEAHI0812H

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Analog input module

Complementary

Application specific I/O	HART	
Product Compatibility	BMEP58 processor	
	BMXFTB20 terminal block	
	ABE7CPA31	
	ABE7CPA02	
	ABE7CPA03	
	Head module BMECRA31210	
	BMEXBP backplane	
Electrical connection	20 ways terminal block	
	Telefast	
Isolation between channels	Isolated	
Analogue input number	8	
Analogue input type	Current 420 mA	
Analogue input resolution	15 bits + sign	
Input impedance	250 Ohm internally protective resistor (3.6 to 50 Ohm)	
Measurement error	0.15 % of full scale 25 °C	
	0.55 % of full scale - 2570 °C	
Temperature drift	50 ppm/°C	
Isolation voltage	1000 V DC 60 s between channels	
	1400 V DC 60 s between channels and ground	
	1400 V DC 60 s between channels and bus	
Checks	Broken wire detection	
Topology	Point-to-point	
Function Available	I/O mapping	
Product Weight	0.514 lb(US) (0.233 kg)	

Environment

Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)
Operating altitude	06561.68 ft (02000 m)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G EN/IEC 60079-0
Environmental characteristic	Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3 Hazardous location class I division 2
Protective treatment	Conformal coating

Ordering and shipping details

Category	US1PC3418160	
Discount Schedule	PC34	
GTIN	3606485418315	
Returnability	No	
Country of origin	US	

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	4.72 in (12.000 cm)
Package 1 Weight	8.430 oz (239.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	8.532 lb(US) (3.870 kg)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	139
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Image of product / Alternate images

Alternative











