



Main

Range of product	Modicon X80
Product or component type	Analog input module

Complementary

Application specific I/O	HART
Product compatibility	ABE7CPA02 ABE7CPA03 ABE7CPA31 BMEP58... processor Head module BMECRA31210 BMEXBP... backplane BMXFTB20... terminal block
Electrical connection	20 ways terminal block Telefast
Input output isolation	Isolated
Analogue input number	8
Analogue input type	Current 4...20 mA
Analogue input resolution	15 bits + sign
Input impedance	250 Ohm for internally protected resistor
Measurement error	0.15 % of full scale at 25 °C
Temperature drift	50 ppm/°C
Isolation voltage	1000 V DC for 60 s between channels 1400 V DC for 60 s between channels and bus 1400 V DC for 60 s between channels and ground
Checks	Broken wire detection
Topology	Point-to-point
Function available	I/O mapping
Product weight	0.233 kg

Environment

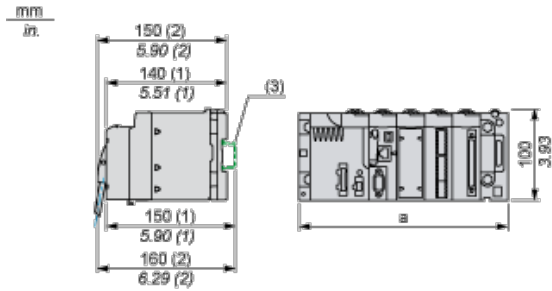
ambient air temperature for operation	0...60 °C
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Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1623 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Modules Mounted on Racks

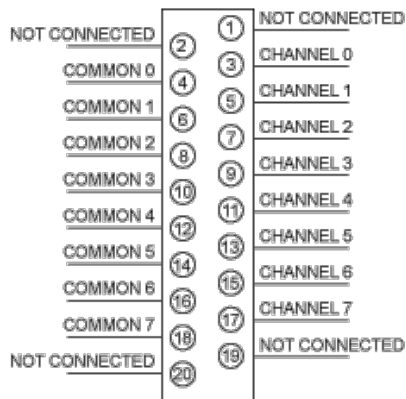
Dimensions



- (1) with removable terminal block (cage, screw or spring)
- (2) with FCN connector
- (3) on AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMEXBP0400/0400H/0800/0800H/1200/1200H rack.

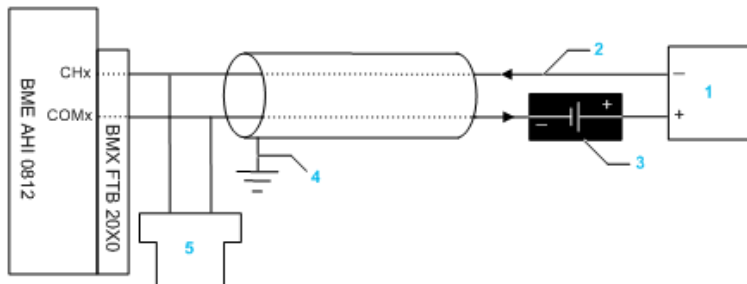
	a (in mm)	a (in in.)
BMEXBP0400 and BMEXBP0400H	242.4	09.54
BMEXBP0800 and BMEXBP0800H	372.8	14.68
BMEXBP1200 and BMEXBP1200H	503.2	19.81

Module Connection



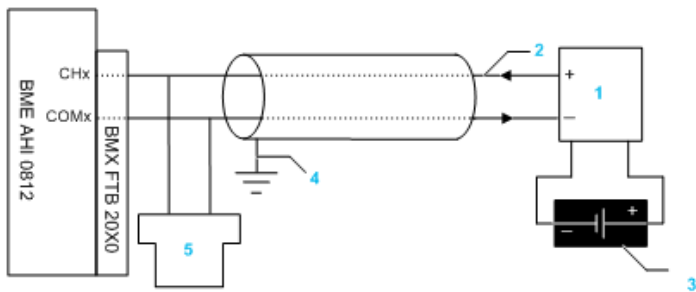
Input Circuit Diagram

With 2-Wire Transmitter



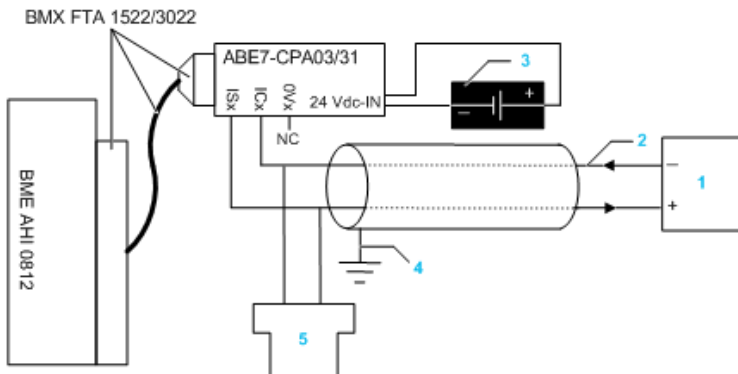
- 1 2-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 Field power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)

With 4-Wire Transmitter



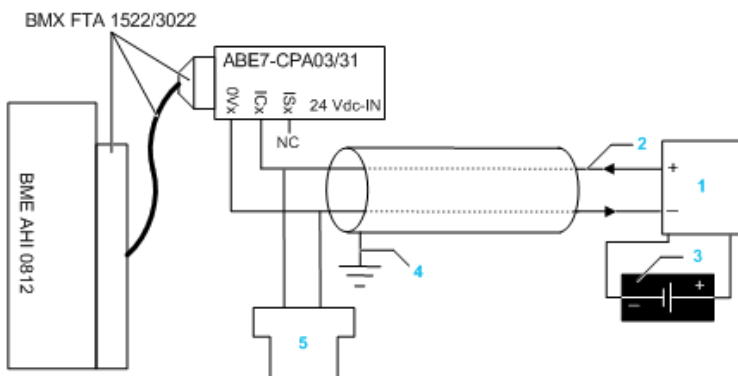
- 1 4-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 Field power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)

With 2-Wire Transmitter and TELEFAST Connector with Power Supply



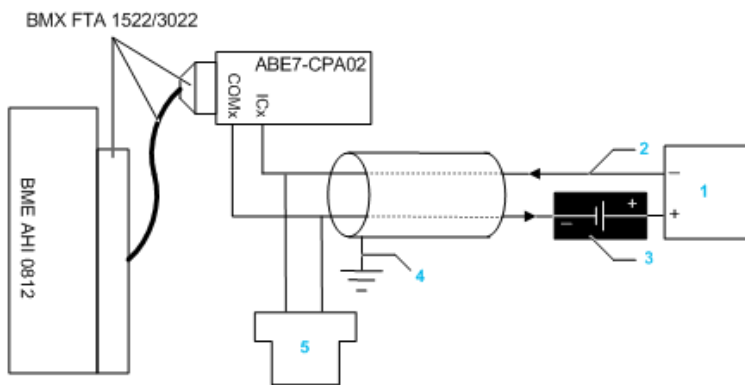
- 1 2-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 24 Vdc power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)

With 4-Wire Transmitter and TELEFAST Connector with Power Supply



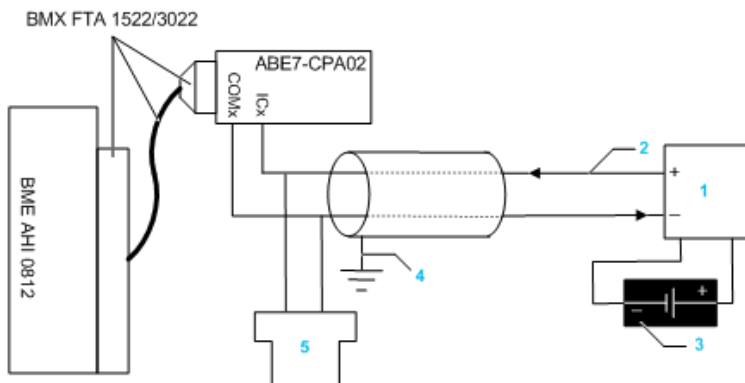
- 1 4-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 Field power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)

With 2-Wire Transmitter and TELEFAST Connector without Power Supply



- 1 2-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 Field power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)

With 4-Wire Transmitter and TELEFAST Connector without Power Supply



- 1 4-wire transmitter
- 2 4-20 mA current loop, with arrows indicating direction of current flow
- 3 Field power supply
- 4 Protective ground
- 5 Secondary HART master (hand-held)