Product datasheet
Characteristics

BMEAHO0412

analog ouput module X80 - 4 outputs HART - current Isolated

Green Premium™ Product

Main

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

Complementary

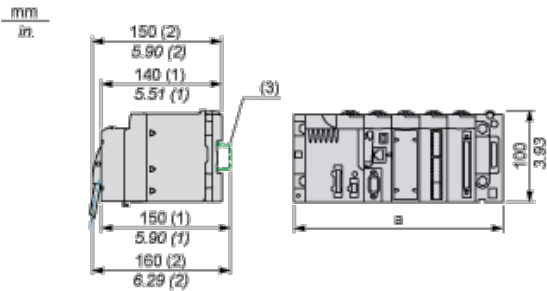|	
Application specific I/O	HART
Product compatibility	ABE7CPA21 BMEP58... processor Head module BMECRA31210 BMEXBP... backplane BMXFTB20... terminal block
Electrical connection	20 ways terminal block Telefast
Input output isolation	Isolated
Measurement error	0.1 % of full scale at 25 °C
Temperature drift	45 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
Load impedance ohmic	<= 600 Ohm, analogue output range: <= 20 mA
Analogue output number	4
Analogue output type	Current 4...20 mA
Analogue output resolution	15 bits + sign
Topology	Point-to-point
Function available	I/O mapping
Product weight	0.223 kg

Environment

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

Offer Sustainability

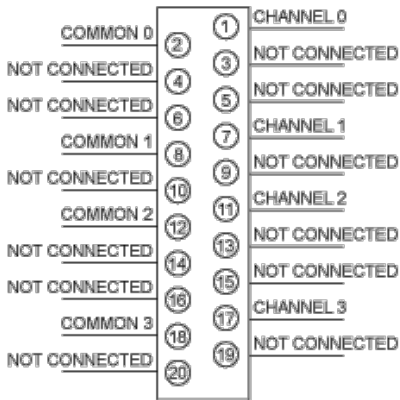|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1623 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

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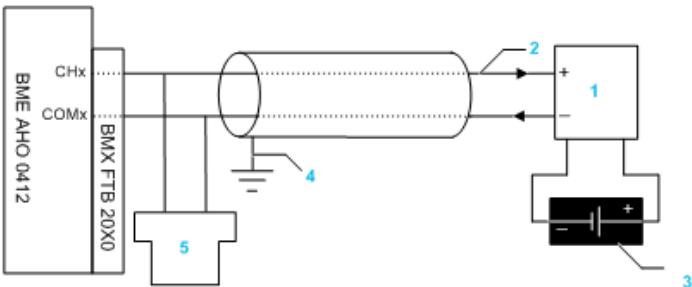
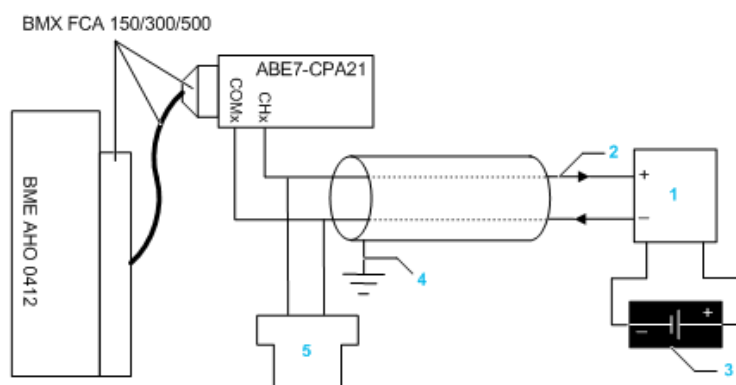|	a (in mm)	a (in in.)
BMEXBP0400 and BMEXBP0400H	242.4	09.54
BMEXBP0800 and BMEXBP0800H	372.8	14.68
BMEXBP1200 and BMEXBP1200H	503.2	19.81

Module Connection

Output Circuit Diagram

With 2-Wire or 4-Wire Transmitter

1   2-wire or 4-wire transmitter

2   4-20 mA current loop, with arrows indicating direction of current flow

3   Field power supply (for 4-wire design only)

4   Protective ground

5   Secondary HART master (hand-held)

With 2-Wire or 4-Wire Transmitter, TELEFAST Connector

1 2-wire or 4-wire transmitter

2 4-20 mA current loop, with arrows indicating direction of current flow

3 Field power supply (for 4-wire design only)

4 Protective ground

5 Secondary HART master (hand-held)