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	BMEP58... processor BMEXBP... backplane ABE7CPA21 Head module BMECRA31210 BMXFTB20... terminal block
Electrical connection	20 ways terminal block Telefast
Isolation between channels	Isolated
Measurement error	0.1 % of full scale 25 °C 0.2 % of full scale 0...60 °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 ground 1400 V DC for 60 s between channels and bus
Checks	Broken wire detection
Load impedance ohmic	600 Ohm 0...20 mA 570 Ohm 0...21 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
Net weight	0.223 kg

Environment

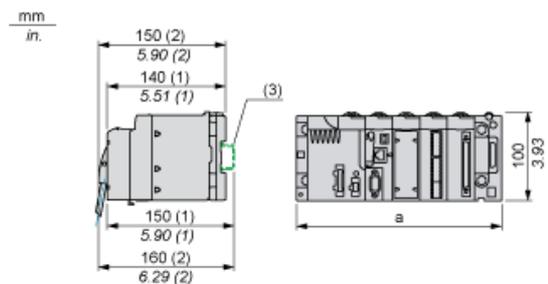|	
Ambient air temperature for operation	0…60 °C
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE RCM CSA EAC Merchant Navy UL
Standards	EN/IEC 61010-2-201 EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	221 g
Package 1 Height	5.5 cm
Package 1 width	11.1 cm
Package 1 Length	11.8 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

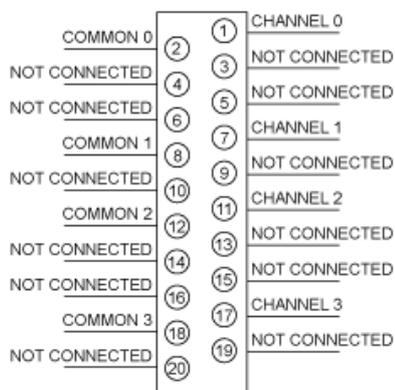Life Is On | Schneider Electric

Modules Mounted on Racks

Dimensions

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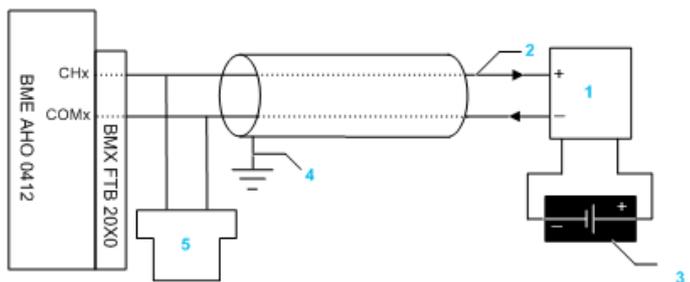(3)   on AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMEXBP0400/0400H/0800/0800H/1200/1200H rack.

	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

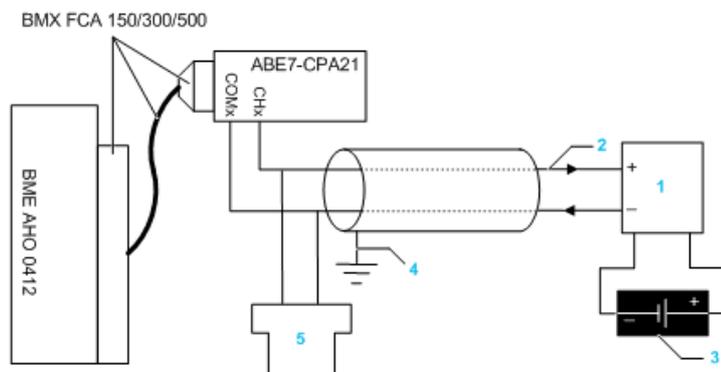|	
COMMON 0 — ②	① — CHANNEL 0
NOT CONNECTED — ④	③ — NOT CONNECTED
NOT CONNECTED — ⑥	⑤ — NOT CONNECTED
COMMON 1 — ⑧	⑦ — CHANNEL 1
NOT CONNECTED — ⑩	⑨ — NOT CONNECTED
COMMON 2 — ⑫	⑪ — CHANNEL 2
NOT CONNECTED — ⑭	⑬ — NOT CONNECTED
NOT CONNECTED — ⑯	⑮ — NOT CONNECTED
COMMON 3 — ⑱	⑰ — CHANNEL 3
NOT CONNECTED — ⑳	⑲ — NOT CONNECTED

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)