

Yokogawa AAB841-S00 Manual

Brand	Yokogawa
Product Series	Yokogawa
Product Type	0 : With no explosion protection

Description

AAB841-S00 | Yokogawa | Analog I/O Module, 1-5V, 4-20mA

Analog I/O Module

(1 to 5 V Input, 4 to 20 mA Output, 8-Channel Input/8-Channel Output, Non-Isolated)

Single : ATA4S

Dual redundant : ATA4D

Adapter : ATK4A , ATM4A , ATV4A

Cable : KS1 , KS2

Terminal board : AEA4D , MCM, MHM , MUB, TE16,

MHC

Model AAB841 Analog I/O Module (1 to 5 V input, 4 to 20 mA output, 8-channel input/8-channel output, Non-Isolated)

Suffix Codes

-S Standard type

0 : With no explosion protection

0 : Basic type

Number of I/O channels : 8-channel input/8-channel output, non-isolated (differential input)

IO signal : Input: 1 to 5 V

(allowable common mode voltage ± 1 V or less) Output: 4 to 20 mA

Allowable input current : ± 7.5 V

Input resistance :

Power ON : 1 M Ω or larger

Power OFF : 340 k Ω or larger

Allowable load resistance : 0 to 750 Ω

Circuit-open detection : Less than 0.65 mA

Accuracy : Input: ± 16 μ A ; Output: ± 48 μ A

Data update period : 10 ms

Input step response time : 100 ms

Output step response time : 40 ms

Transmitter power supply : 14.8 V or higher (at 20 mA)

26.4 V or less (at 0 mA)

Setting of 2-wire or 4-wire

transmitter : For each channel by setting pin —

Temperature drift : ± 0.1 %/10 $^{\circ}$ C

Maximum current consumption : 310 mA (5 V DC),

250 mA (24 V DC)

External connection : Pressure clamp terminal, KS cable, MIL connector cable