



# SAKSHAM

## AO08 [S750-08C00V08G01GIND]

### 08 Channel Analog Output Module

Analog output modules are vital in PLC systems, enabling precise control and regulation of devices and machinery. Selecting the right module depends on application needs, signal integrity, and integration complexity. When properly implemented, they enhance system efficiency, reliability, and productivity. This 08-channel analog output module offers superior performance with complete galvanic isolation across all channels, ensuring outstanding noise immunity and stable operation even in demanding industrial environments, making it ideal for precision control applications.

- No. of Analog Outputs : 8 Channels
- Type of Analog Output : 0/4-20 mA
- Released Date : From July 22
- Mounting : Base Unit TBUS-PPPPPPPP
- Galvanic Isolation : Yes
- Galvanic Isolation Group : 8
- Channels In One Group : 1 Channel/Group
- Function Of Diagnostics : Available
- Insulation Tested With : 500 V DC
- Field Connection : 37-Pin D-Sub Female Connector
- Power Connection : 5 Pin Phoenix Plug-In Screw Connector (De-Coded)
- Cable Length Max : 500 m, 1.0 mm<sup>2</sup> shielded cable
- Dimension (W x H x D) : 25 x 122 x 115 mm
- Weight : 100 g approx



Hot Swappable



Fast and Easy Integration



IEC 61131-3

#### Mandatory Accessories

- TBUS
- Power TB

#### Accessories

- Analog Output FTA
- Prefab Cable



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### General Information

No. of Analog Outputs	: 8 channels
Type of Analog Outputs	: 4-20 mA
Released Date	: From July 22
Firmware Version	: 1.00.001
Firmware Update Possible	: Yes
Engineering Software	: CODESYS V3.5 SP19 & above
Mounting	: Base Unit TBUS-PPPPPPP

### Isolation & Protection

Galvanic Isolation	: Yes
Galvanic Isolation Groups	: 8 Groups
Channel In One Groups	: 1 Channel/Groups

### Power Supply

Power Supply From	: Top Side De-Coded Plug-In Screw Terminal
Normal Supply Voltage	: 24 V DC
Low Supply Voltage	: 18.5 V DC
High Supply Voltage	: 28.5
Reverse Polarity Protection	: Yes
Maximum Current	: 320 mA
Current Per Channel Permissible	: 21.5 mA
Power Loss	: Less than 1 W
Load Resistance	: 370 Ω, Max

### Range

Output Range	: 0-20 mA
Output Range	: 4-20 mA
Range	: Scalable

### Connection of Actuator

Two Wire Connection, Current O/P	: Yes
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### Oscillation Time

Resistive Load	: 0.5 ms
Capacitive Load	: 1 ms
Inductive Load	: 1 ms

### Configuration In Running

Parameterization in Run	: Yes
Calibration in Run	: Yes

### Hardware Configuration

Automatic Encoding	: No
Mechanical Coding Element	: Yes

### Error

Linearity Error	: 0.1% (Input Range)
Operational Error	: 0.5% (Input Range)
Basic Error	: 0.3% (Input Range)
Substitute Value Can Applied	: Yes
Crosstalk Between Outputs	: 50 db

### Alarm

Diagnostic Alarm	: Yes
Limit Alarm	: Yes

### LED

Power Indication	: Yes
Channel Status	: No
Module Fuse Blown	: Yes
Module Diagnostics (Back-Plane Comm)	: Yes

### Potential Separation

Separation Between Channel	: Yes (Groups Isolation)
Separation Between Backplane	: Yes
Separation Between Channel and System Power Supply	: Yes
Insulation Tested With	: 500 V DC

### Ambient Condition

Horizontal Installation	: 0°C
Horizontal Installation	: 60°C
Vertical Installation	: 0°C
Vertical Installation	: 60°C

### Connection

Field Connection	: 37-Pin D-Sub Female Connector
Power Connection	: 5 Pin Phoenix Plug-In Screw Connector (De-Coded)

### Other Information

Cable Length Max.	: 500 m, 1.0 mm <sup>2</sup> shielded cable
Address Space per Module	: 13 Bytes
Dimensions (W x H x D)	: 25 x 122 x 115 mm
Weight	: 100g Approx