APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

FC-UGAO01

Universal Marshalling Analog Output Isolator

Isolated intrinsically safe analog-output signal

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell UMS Safety
Part number	FC-UGAO01
Country	USA
HS code	8537101190

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2 Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Function	Analog output isolator
Safety integrity	SIL 2
Intrinsic safety	IS
Approval status	TUV approved
UMS assembly capacity	16 channels
Assembly size	137 x 140 x 198 mm

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	UMS Safety assembly
Companion hardware	configured analog-output field loop
Field connection	approved termination hardware
Primary system function	Performs the UMS analog-output isolator role
Controlled acceptance duty	SIL 2 final-element command

3 System Role and Architecture

Isolated intrinsically safe analog-output signal

FUNCTION 1

Performs the UMS analog-output isolator role

FUNCTION 2

Supports SIL 2 safety applications

FUNCTION 3

Provides an intrinsically safe field interface

FUNCTION 4

Occupies one channel position in a 16-channel UMS assembly

Matched system components

- UMS Safety assembly
- configured analog-output field loop
- approved termination hardware
- Safety Manager project and test record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	UMS Safety assembly
Companion hardware	configured analog-output field loop
Field connection	approved termination hardware
Primary system function	Performs the UMS analog-output isolator role
Controlled acceptance duty	SIL 2 final-element command

4 Applications and Engineering Context

SIL 2 final-element command

Performs the UMS analog-output isolator role

Hazardous-area analog actuation

Supports SIL 2 safety applications

Universal marshalling cabinet build

Provides an intrinsically safe field interface

Safety-loop output renewal

Occupies one channel position in a 16-channel UMS assembly

TECHNICAL NOTE

Confirm the UMS channel assignment, barrier/isolator type, loop polarity, field grounding and safety application proof-test procedure before energization.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	FC-UGAO01 / FC-UGAO01 recorded
Physical interface	UMS Safety assembly
Companion check	configured analog-output field loop
Functional proof	Performs the UMS analog-output isolator role
Application test	SIL 2 final-element command

5 Engineering Precautions

1. Verify the complete FC-UGAO01 marking and its assigned UMS analog-output isolator position before work.
2. Place the connected process and control strategy in the approved maintenance state.
3. Isolate the applicable cabinet supply and analog-output field energy before disconnecting conductors.
4. Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
5. Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
51304544-100	Related industrial automation product	**View 51304544-100 page**
51304542-100	Related industrial automation product	**View 51304542-100 page**
FC-TSDI-16UNI	Related industrial automation product	**View FC-TSDI-16UNI page**
10024-I-F	Related industrial automation product	**View 10024-I-F page**
TC-PRR021	Related industrial automation product	**View TC-PRR021 page**
51402497-200	Related industrial automation product	**View 51402497-200 page**
51403776-100	Related industrial automation product	**View 51403776-100 page**
FC-TSHART-1620M	Related industrial automation product	**View FC-TSHART-1620M page**

MANUFACTURER SOURCE RECORD

Honeywell System Integrator Technical Updates

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