

IAO08

Powerful device for forwarding analog signals





IAO08

The analog output module IAO08 is a powerful device for forwarding analog signals. The device possesses the shortest conversion times and a high process reliability. That makes it the best choice for continuous operation in complex machine networks.

Key Features



Safety features for high running safety



Galv. isolated CAN interface acc. to ISO 11898



Easy access to all interfaces



Own intelligence for complex CAN networks



Signal delay of less than 400 µs



Galv. isolated inputs



Compact aluminium housing with IP20 and integrated top hat rail mounting

Housing

The compact housing is made of aluminium. It contains a top hat rail mount and a front cover with all interfaces for better overview in the control cabinet. The technician will note the convenience while working at the bus cabling.

Switches

You can configure the baud rate and module address with HEX switches at the front cover – easy and comfortable.

Signal processing

Besides its outputs the IAO08 offers a powerful micro-controller that handles the control of actors and the processing of any CAN data. An important safety function is its guarding capability which is fully integrated into the IO for network surveillance. Furthermore, there is a relay contact (changeover) as an additional safety measure. If there is an absence of guarding by the master registered, the module immediately goes into STOP-mode.

CAN interface

The integrated CAN interface is designed according to DS 301 and 401 for a flexible use in different places and tasks in the CAN bus network. All Sontheim CAN interfaces comply to ISO 11898.

Technical Data

Hardware	
CPU	16-bit microcontroller
CAN	1x CAN acc. to ISO 11898, galv. isolated
Operating system display	1x LED green for supply voltage (5 V) 1x LED green for operating mode (run) 1x LED red for error status (err)
Dimensions (l×w×h)	241 mm × 120 mm × 48 mm
Weight	ca. 800 g
Protection class	IP20
Storage temperature	-10 °C up to +70 °C
Operating temperature	0 °C up to +60 °C
Humidity	90 % non-condensing
Power supply	24 V DC ±10 %
Total current	approx. 500 mA

Analog outputs	
Number of outputs	8
Resolution	12 bit
Potential isolation	Optocoupler
Output voltage	-10 V up to +10 V DC
I _{out max}	20 mA
Filter circuitry	integrated

Pin assignment



Analog outputs

1	-
2	-
3	-
4	ANAOUT
5	ANAOUT
6	ANAGND
7	ANAGND
8	-
9	GND



HEX switch baud rate

0	50
1	125
2	250
3	500
4	1000



CAN interface

1	CAN H (high)
2	CAN L (low)
3	GND

Order information

V966301000

IAO08 – 8× AnaOut



Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

Sontheim Industrie Elektronik GmbH

Georg-Krug-Straße 2
D-87437 Kempten
Phone: +49 (0)831 575900-0
Fax: +49 (0)831 575900-72
Email: info@s-i-e.de

Sontheim Electronic Systems L.P.

201 West 2nd Street
Davenport, IA 52801, USA
Phone: +1 563 888 1471
Email: info@sontheim-esys.com

www.s-i-e.de