

SAI Active
SAI-AU M8 CAN 16DI

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A CAN network is based on a server/client principle in which network subscribers with equal rights are interconnected via a serial bus. The electrical connection is in the form of a two-wire line, shielded or unshielded depending on the application.

General ordering data

Type	SAI-AU M8 CAN 16DI
Order No.	1906680000
Version	SAI Active, Sensor-actuator active distributor, CANopen, Complete modul
GTIN (EAN)	4032248528868
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	54 mm	Net weight	459 g
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Analogue inputs

Input resistance (load)	<125 Ohm	Max. input current (differential)	-50 mA to +50 mA (protected against polarity reversal)
Maximum input voltage in relation to GND	35 V	Measurement range [analogue input]	-10 V ... +10 V, 0 V ... 10V, 0 ... 20 mA, 4...20 mA
Precision [analogue input]	< 0.2 %	Resolution [analogue input]	12-bit
Short-circuit proof [analogue input]	Yes		

Analogue outputs

Measurement range [analogue output]	-10 V ... +10 V, 0 V ... 10V, 0 ... 20 mA, 4...20 mA	Output interval	5 ms to 250 ms (can be configured)
Precision [analogue output]	< 0.2 %	Resolution [analogue output]	12-bit
Short-circuit proof [analogue output]	Yes		

Configuration

Device description file	Device-specific for each module	System integration	EDS file
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Connections

Fieldbus (BUS-IN)	1x M12 plug 5-pole, A-coded	Fieldbus (BUS-OUT)	1x M12 female 5-pole, A-coded
I/O connections	16x M8 female 3-pole	Supply voltage (AUX-IN)	1x M12 plug 5-pole, A-coded
Supply voltage (AUX-OUT)	1x M12 female 5-pole, A-coded		

Digital inputs

Input current, high	2 mA to 15 mA in accordance with EN 61131-2 Type 1	Input current, low	< 15 mA in accordance with EN 61131-2 Type 1
Input filter	3 ms	Input voltage, high	>15 V in accordance with EN 61131-2 Type 1
Input voltage, low	<5 V in accordance with EN 61131-2 Type 1	Permitted input voltage	-30 V to +30 V (protected against polarity reversal)
Separation of potentials to module electronics [digital inputs]	none		

General data

Certificate	CE, cULus	Earth	< 400 g
Housing main material	Pocan, PBT	L x W x H	210 mm / 54 mm / 32 mm
Protection degree	IP 67	UL 94 flammability rating	V-0

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Diagnosis

Channel	LED, Yellow (signal), Red (short circuit), Additionally via Fieldbus	Communication (optical)	RN LED, BF LED
DESINA	Yes	Module supply	LED: green (voltage > 18 V DC), red (voltage < 18 V DC), Additionally via Fieldbus

Fieldbus

Addressing	Via rotary coding switch (1 - 127)	Bus system	CANopen
Transmission rate	Max. 1 Mbit/s (automatic detection)		

Functional inputs

Input filter	3 ms	Resolution	12-bit
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Supply voltage

Contact load	Per PIN max. 4 A	Current consumption module	70 mA typically
Limits	18 V DC ... 30 V DC	Max. total current module	8 A
Operating voltage	24 V	Reverse polarity protection	Yes

Classifications

ETIM 3.0	EC001599	UNSPSC	43-17-27-10
eClass 5.1	27-25-04-03	eClass 6.2	27-24-26-04
eClass 7.1	27-24-26-04		

Approvals

Approvals



ROHS Conform