SAI-AU M8 DN 16DI/8DO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com

Similar to illustration

DeviceNet™ is a fieldbus system that was devised in the USA which is now being used more and more in Europe and Asia as well. DeviceNet™ is based on CAN (Control Area Network) when it comes to physical layers 1 and 2 in the ISO 7-layer model. The so-called Common Industrial Protocol (CIP) is used in the application layer (ISO Layer 7). This is an open standard which is also used for ControlNet™ und EtherNet/IP. In future, it will enable consistent communications between the field level and the Internet.

General ordering data

Version	SAI Active, DeviceNet, Complete modul
Order No.	1906740000
Type	SAI-AU M8 DN 16DI/8DO
GTIN (EAN)	4032248529025
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	468 g	Width	54 mm
Width (inches)	2.126 inch		

Temperatures

Storage temperature	-25 °C...85 °C	Operating temperature	0 °C...60 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3

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)	2x M12 plug 5-pole, A-coded

Digital inputs

Diagnosis indication	red	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	none

Digital outputs

Diagnosis indication	red	Max. total current outputs	7 A
Output voltage, high	Supply voltage less 0.7 V DC	Output voltage, low	0 V DC
Separation of potentials to module electronics	none	Short-circuit proof	Yes, cut-off for short circuit and error message
Switching frequency, inductive load	max. 1 Hz	Switching frequency, lamp load	max. 8 Hz
Switching frequency, resistive load	max. 100 Hz	max. current-carrying capacity per output signal	0.5 A, 2 A

General data

Certificate	CE, cULus	Earth	< 400 g
Housing main material	Pocan, PBT	Protection degree	IP67
UL 94 flammability rating	V-0		

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

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Classifications

ETIM 6.0	EC001596	ETIM 7.0	EC001596
ECLASS 9.0	27-24-26-01	ECLASS 9.1	27-24-26-01
ECLASS 10.0	27-24-26-01	ECLASS 11.0	27-24-26-01

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E141197

Downloads

Engineering Data	WSCAD