

SAI Active
SAI-ASI-L-M12-4I V3**Weidmüller Interface GmbH & Co. KG**

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Thanks to the implementation of the new AS-Interface specification 3.0, modules with eight inputs are possible at one address with 62 slaves in one network. Modules with four inputs and four outputs are now available for 62 slaves as well. These models require an M4 master.

General ordering data

Delivery status	Discontinued
Available until	2015-12-31
Type	SAI-ASI-L-M12-4I V3
Order No.	1962680000
Version	SAI Active, Sensor-actuator active distributor, AS interface, Complete modul
GTIN (EAN)	4032248645343
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Net weight	234 g
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Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-25 °C
Storage temperature, min.	-25 °C	Operating temperature	-25 °C...60 °C
Storage temperature	-25 °C...		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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System data

Module type	Complete modul
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Digital inputs

Diagnosis indication	red
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Digital outputs

Diagnosis indication	red	max. current-carrying capacity per output signal	0.5 A
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General data

Housing main material	Pocan	Protection degree	IP67
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Classifications

UNSPSC	30-21-18-01
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Approvals

Approvals



ROHS	Conform
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AS-Interface Specification

Complete Specification AS-Interface 3.0
AS-Interface-Profile:

4 Inputs	S-0.A.*.0
8 Inputs	S-7.A.7.A
4 In- and 4 Outputs	S-7.A.7.A
4 Outputs	S-7.A.7.A

Module	ID – Code	ID1 – Code	ID2 - Code
4 Input	A	*	0
8 Input	A	7	A
4 In/ 4 Output	A	7	A
4 Output	A	7	A

Indication	LED
Indicator AS-Interface-voltage:	AS-I, green
Indicator communication error:	Fault, red
Indicator „Address 0“:	Fault, red AS-I green flashing
Indicator Periphery error:	AS-I / Fault, red/green flashing
Indicator auxiliary voltage:	AUX, green



Torques for mounting	
M4 screws	max. 1,0 Nm

Torques for IP67	
M12 protection cap	0,8 Nm
M12 connectors	0,8 Nm
M8 protection cap	0,4 Nm
M8 connectors	0,6 Nm

Certifications (if product is marked)	
c-UL-us UL	Listed Industrial Control Equipment, Certified for US and Canada
CE	European Union 89/336/EEC EMC Directive, compliant with: EN 61000-6-4; Industrial Emissions EN 50082-2; Industrial Immunity EN 61326; Meas./Control/Lab., Industrial Requirements 61000-6-2; Industrial Immunity

- de Technische Änderungen vorbehalten!
- en Technical modifications reserved!
- it Con riserva di modifiche tecniche!
- fr Toutes modifications techniques réservées!
- es ¡Reservado el derecho a las modificaciones técnicas!

- fr Consignes de sécurité et avertissements
 - Respecter les mesures de précaution nécessaires lors du maniement des composants sensibles aux décharges électrostatiques (IEC 61340-5-1, IEC 61340-5-2)!
 - L'équipement est conçu pour être utilisé à une tension de 24 V CC et ne doit en aucun cas être utilisé à une tension supérieure!
 - S'assurer que l'indice de protection IP67 est garanti.
Veiller à l'étanchéité des conducteurs raccordés et employer des bouchons de protection pour les connexions non utilisées.

- it Avvertenze sulla sicurezza e sui pericoli
 - Nel maneggiare elementi a rischio di scariche elettrostatiche, osservare le necessarie misure di sicurezza (IEC 61340-5-1, IEC 61340-5-2)!
 - Il dispositivo è concepito per una tensione di 24 V DC e non deve essere mai fatto funzionare con una tensione maggiore!
 - Garantire il grado di protezione IP67!
Verificare la tenuta dei passaggi dei cavi; utilizzare cappucci di sicurezza per le connessioni non utilizzate.

- es Indicaciones y advertencias de seguridad
 - Observe las medidas preventivas necesarias al manipular elementos expuestos a peligro de descarga electrostática (IEC 61340-5-1, IEC 61340-5-2)!
 - ¡El aparato está diseñado para una tensión de 24 V DC y en ningún caso ha de hacerse funcionar a una tensión mayor!
 - ¡Asegure el grado de protección IP67!
Preste atención a que las conexiones para cable estén herméticas y emplee capuchones protectores para las conexiones que no estén en uso.

Module Specifications	
Operating Voltage AS-Interface	26,5...31,6 V DC
Operating Voltage actuator	18... 30 V DC
Operating Temperature	-25... +60 °C
Storage temperature	-25... +85 °C
Ingress protection class	IP67
Max. Output current per output	500 mA
Max. Output current per module	2 A
Max. Input current per Input	50 mA
Max. Input current per module	200 mA
Digital Inputs	EN61131-2 Typ 1

Weidmüller

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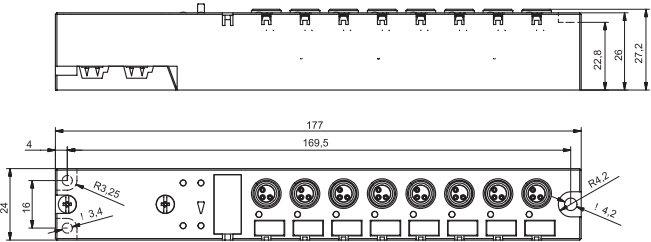
SAI-ASI-L-M12-4I/4O V3	1962710000
SAI-ASI-L-M8-4I/4O V3	1962670000
SAI-ASI-L-M12-4I V3	1962680000
SAI-ASI-L-M8-4I V3	1962640000
SAI-ASI-L-M12-4O V3	1962700000
SAI-ASI-L-M8-4O V3	1962660000
SAI-ASI-L-M12-8I V3	1962690000
SAI-ASI-L-M8-8I V3	1962650000

Inhalt / Contents / Indice / Matières / Contenu	
1 SAI module	
1 row marker 20 x 9 mm	1609940000
1 row marker 10 x 5 mm	1919940000
2 cover M8 socket IP67 (only in M8 modules)	1802760000
1 cover M12 socket IP67 (only in M12 modules)	9456050000
1 this pinout guide wiring diagrams	

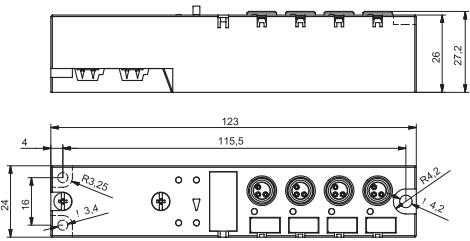
- de Sicherheits- und Warnhinweise
 - Beachten Sie die notwendigen Vorsichtsmaßnahmen bei der Handhabung elektrostatisch entladungsgefährdeter Bauelemente (IEC 61340-5-1, IEC 61340-5-2)!
 - Das Gerät ist für eine Spannung von 24 V DC ausgelegt und darf auf keinen Fall mit einer höheren Spannung betrieben werden!
 - Stellen Sie die Schutzart IP67 sicher!
Achten Sie auf Dichtigkeit der Leitungsanschlüsse und verwenden Sie Schutzkappen für nicht benutzte Anschlüsse.
- en Safety and warning instructions
 - Observe the necessary safety precautions when handling components that are vulnerable to electrostatic discharge (IEC 61340-5-1, IEC 61340-5-2)!
 - The device has been designed for use with 24 V DC and may under no circumstances be operated with a higher voltage!
 - Ensure IP67 protection!
Make sure that the wire connections are sealed and use protective caps for unused connections.

Dimensions:

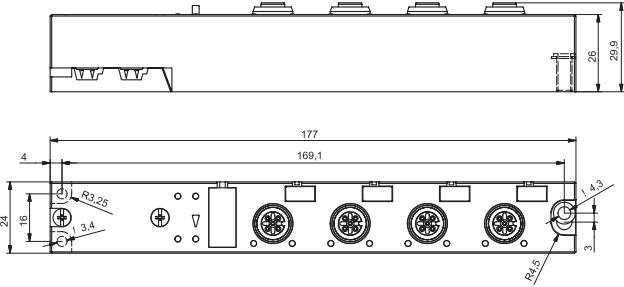
Type 8 x M8



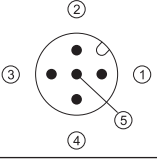
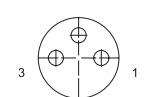
Type 4 x M8



Type 4 x M12



Pin layout

Module	Plug	No.	4I Input	4O Output	4I4O Input	4I4O Output	8I Input
	M12 A-Coded	1 2 3 4 5	+ 24V DC Input 1 GND Input 1 FE	+ 24V DC n.c. Output 1 FE	+ 24V DC Input 2 GND Input 1 FE	+ 24V DC Output 2 Output 1 FE	+ 24V DC Input 2 GND Input 1 FE
	M8 3pole	1 - 3 4	+24V DC ---- GND Input	+24V DC ---- GND Output	+24V DC ---- GND Input	+24V DC ---- GND Output	+24V DC ---- GND Input

de Adressierung

Die Module können unterschiedlich adressiert werden:

- Über das AS-Interface Kabel mit Hilfe des SPS, Master etc.
 - Über die Infrarot Schnittstelle auf dem Modul:
- 1 Spannungsversorgung einschalten (gelbe Leitung)
 - 2 Infrarotadapter auf das Modul stecken und mit dem Adressiertool verbinden.
 - 3 Adressierung mit Hilfe dem Programmierhandgerät

en Addressing

Addressing can be performed via

- The AS-Interface cable using a PLC, master, ...
 - The infrared interface on the electronic module:
- 1 Switch on supply (yellow cable).
 - 2 Perform addressing using the IR interface adapter and standard addressing unit (extended version).
 - 3 Address with the Addressing Unit

fr Adressage

Il est possible d'adresser les modules de différentes manières :

- soit par le câble de l'AS-Interface à l'aide de l'API, du master etc.
 - soit par l'interface à infrarouge située sur le module :
- 1 mettre l'alimentation sous tension (câble jaune)
 - 2 mettre l'adaptateur à infrarouge sur le module et le relier à l'appareil d'adressage.
 - 3 procéder à l'adressage à l'aide du programmeur de poche

it Indirizzamento

I moduli possono essere indirizzati in modo diverso:

- Tramite il cavo dell'interfaccia AS con l'ausilio del PLC, Master, ecc.
 - Tramite l'interfaccia ad infrarossi sul modulo:
- 1 Attivare l'alimentazione (cavo giallo)
 - 2 Inserire l'adattatore ad infrarossi sul modulo e collegare con il dispositivo di indirizzamento.
 - 3 Indirizzamento mediante dispositivo di programmazione manuale

es Direccionamiento

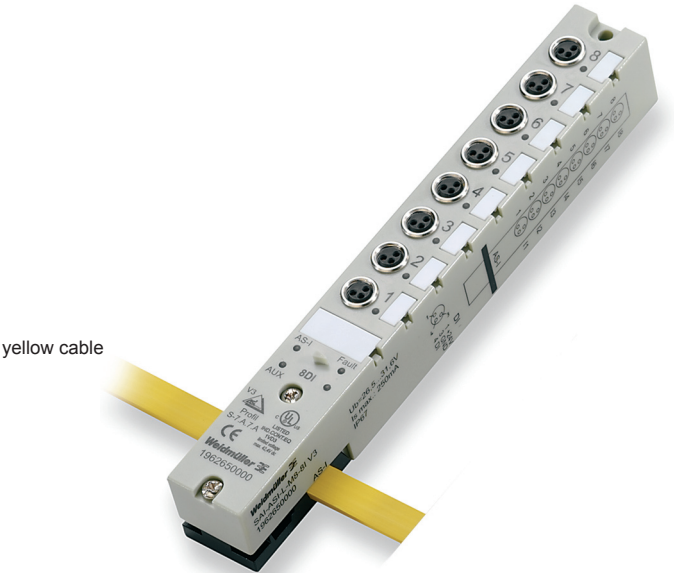
Es posible acceder a los módulos de distintas formas:

- A través de un cable de interfaz AS con ayuda del PLC, master etc.
 - A través de la interfaz de infrarrojos del módulo:
- 1 Encienda la alimentación (cable amarillo)
 - 2 Conecte el adaptador de infrarrojos al módulo y conecte éste a su vez con la herramienta de acceso.
 - 3 Acceso con ayuda de un programador manual

Addressing unit:	SAI-ASI Handheld	1805410000
Addressing Adapter:	SAI-ASI IR-Adapter	1804500000

Input Modules:

4DI and 8DI only required the yellow cable



Output Modules:

4DO and 4DI/4DO required the black and the yellow cable.

