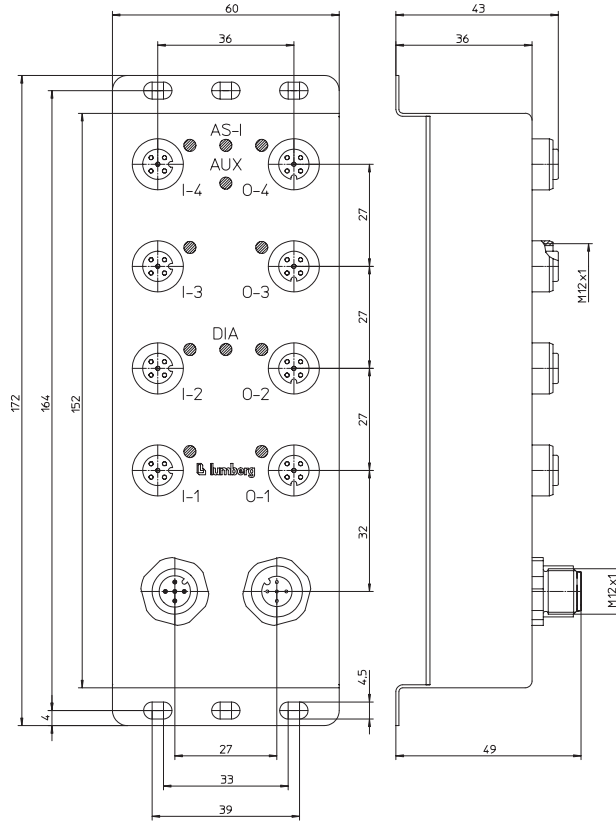


**0910 ASL 425**

**Version 2.1 – 4 In / 4 Out**

AS-Interface-Modul mit Edelstahlgehäuse und -verschraubung, 4 digitale Eingänge zum Anschluss von Standard-Sensoren und 4 digitale Ausgänge (2 A) zum Anschluss von Standard-Aktoren, M12-Busanschluss – besonders für den Einsatz in Nahrungsmittelmaschinen geeignet –

AS-Interface module with housing and receptacle shells in stainless steel, 4 digital inputs to connect standard sensors and 4 digital outputs (2 A) to connect standard actuators, M12 bus connection – especially designed for food and beverage equipment –



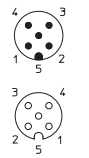
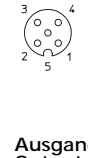
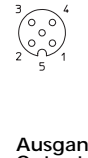
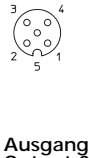
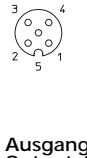
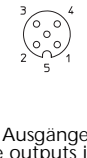
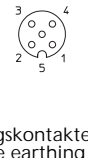
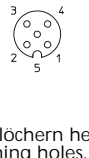
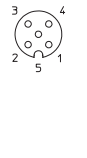
**Bitbelegung Bit assignment**

Bit	-	-	-	-	3	2	1	0
<b>M12 Input</b>								
<b>Byte 0</b>	-	-	-	-	I-4	I-3	I-2	I-1
<b>M12 Output</b>								
<b>Byte 0</b>	-	-	-	-	O-4	O-3	O-2	O-1

**Diagnoseanzeige Diagnostic indication**

LED	Anzeige Indication	Bedingung Condition
I-1..4 / O-1..4	gelb yellow	Kanalstatus channel status
AS-i	grün green	AS-Interface Spannungsversorgung aktiv AS-Interface power supply active
AUX	grün green	Aktorversorgung aktiv actuator supply active
DIA	rot red	Kommunikationsfehler / Adresse auf 0 communication error / address at 0
	rot blinkend red blinking	Peripheriefehler (Aktorkurzschluss/Sensorversorgungsfehler) periphery error (actuator short circuit/sensor supply error)

**Pinbelegung Pin assignment**

<p><b>Busanschluss M12 Bus connection M12</b></p>  <ul style="list-style-type: none"> <li>1 = AS-Interface +</li> <li>2 = 0 V AUX</li> <li>3 = AS-Interface -</li> <li>4 = +24 V AUX</li> <li>5 = Erde / earth</li> </ul>	<p><b>Eingang 1 M12 Input 1 M12</b></p>  <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = IN 1</li> <li>5 = Erde / earth</li> </ul>	<p><b>Eingang 2 M12 Input 2 M12</b></p>  <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = IN 2</li> <li>5 = Erde / earth</li> </ul>	<p><b>Eingang 3 M12 Input 3 M12</b></p>  <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = IN 3</li> <li>5 = Erde / earth</li> </ul>	<p><b>Eingang 4 M12 Input 4 M12</b></p>  <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = IN 4</li> <li>5 = Erde / earth</li> </ul>
	<p><b>Ausgang 1 M12 Output 1 M12</b></p>  <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT 1</li> <li>5 = Erde / earth</li> </ul>	<p><b>Ausgang 2 M12 Output 2 M12</b></p>  <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT 2</li> <li>5 = Erde / earth</li> </ul>	<p><b>Ausgang 3 M12 Output 3 M12</b></p>  <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT 3</li> <li>5 = Erde / earth</li> </ul>	<p><b>Ausgang 4 M12 Output 4 M12</b></p>  <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT 4</li> <li>5 = Erde / earth</li> </ul>

Die Erdungsverbindung für die Ausgänge wird über die Erdungskontakte an den Befestigungslöchern hergestellt.  
The connection to earth for the outputs is implemented via the earthing contacts at the fastening holes.

<b>Technische Daten</b>		<b>Technical data</b>	
Schutzart	IP 69K	Degree of protection	IP 69K
Umgebungstemperatur	-25°C / +80°C	Operating temperature range	-25°C / +80°C
Gewicht	550 g	Weight	550 g
Gehäusematerial	Edelstahl	Housing material	stainless steel
<b>Bus-System</b>		<b>Bus system</b>	
AS-Interface-Profil	AS-Interface	AS-Interface profile	AS-Interface
E/A-Konfiguration	S 7.F.E	I/O configuration	S 7.F.E
ID-Code	7 hex	ID code	7 hex
ID2-Code (erweiterter ID-Code)	F hex	ID2 code (extended ID-code)	F hex
Unterstützung A/B-Adressierung	E hex	Support A/B addressing	E hex
	nein		no
<b>Elektronik-Stromversorgung</b>		<b>Electronics power supply</b>	
Nennspannung	AS-Interface	Rated voltage	AS-Interface net
Spannungsbereich	AS-Interface-Netz	Voltage range	AS-Interface net
Stromaufnahme	26,5–31,6 V DC	Power consumption	26.5–31.6 V DC
Verpolschutz	max. 250 mA	Reverse polarity protection	max. 250 mA
Anzeige	ja	Indication	yes
	LED grün		LED green
<b>Sensorik-Stromversorgung</b>		<b>Input power supply</b>	
Spannungsbereich (AS-Interface-Netz)	17–30 V	Voltage range (AS-Interface net)	17–30 V
Gesamtstrom aller Sensoren	max. 200 mA	Total current of all sensors	max. 200 mA
Kurzschlussfest	ja	Short circuit-proof	yes
<b>Eingänge</b>		<b>Inputs</b>	
Nenneingangsspannung	<b>Typ 2 gem. IEC 61131-2</b>	Rated input voltage	<b>Type 2 acc. to IEC 61131-2</b>
Signalzustand "1"	24 V DC	Signal state "1"	24 V DC
Signalzustand "0"	Us > 10 V u. Is > 4,7 mA	Signal state "0"	Us > 10 V u. Is > 4,7 mA
Eingangstrom bei 24 V	Is < 1,5 mA	Input current at 24 V	Is < 1,5 mA
Eingangsbeschaltung	15 mA	Input circuit	15 mA
Anzahl der digitalen Kanäle	p-schaltend	Number of digital channels	p-switching
Statusanzeige	4	Channel status indicator	4
	LED gelb pro Kanal		LED yellow per channel
<b>Aktorik-Stromversorgung</b>		<b>Output power supply</b>	
Nennspannung	AUX	Rated voltage	AUX
Spannungsbereich	24 V DC	Voltage range	24 V DC
Potentialtrennung	10–30 V	Potential separation	10–30 V
Verpolschutz	vorhanden	Reverse polarity protection	present
Anzeige	ja/elektronisch	Indication	yes/electronic
	LED grün		LED green
<b>Ausgänge</b>		<b>Outputs</b>	
Nennausgangsstrom	<b>Typ 2 A gem. IEC 61131-2</b>	Rated output current	<b>Type 2 A acc. to IEC 61131-2</b>
Kurzschlussfest	2 A pro Kanal	Short circuit-proof	2 A per channel
Max. Strombelastbarkeit	ja	Max. output current	yes
Überlastfest	4 A pro Modul	Overload-proof	4 A per module
Anzahl der digitalen Kanäle	ja	Number of digital channels	yes
Kanaltyp Schließer	4	Channel type N.O.	p-switching
Statusanzeige	p-schaltend	Channel status indicator	LED yellow per channel
	LED gelb pro Kanal		
<b>Diagnose</b>		<b>Diagnostic</b>	
Anzeige	LED rot	Indication	LED red
<b>Lieferumfang / Zubehör</b>		<b>Included in delivery / Accessories</b>	
M12-Schutzkappen	4 Stück	Dust covers M12	4 pieces

### Bestellbezeichnung Designation

0910 ASL 425

