



### Model number

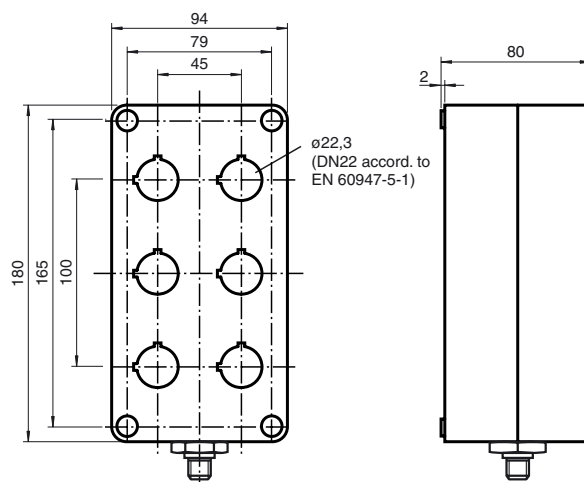
**VAA-LT3-F86-V1**

Luminous push-button module  
4 inputs/4 outputs

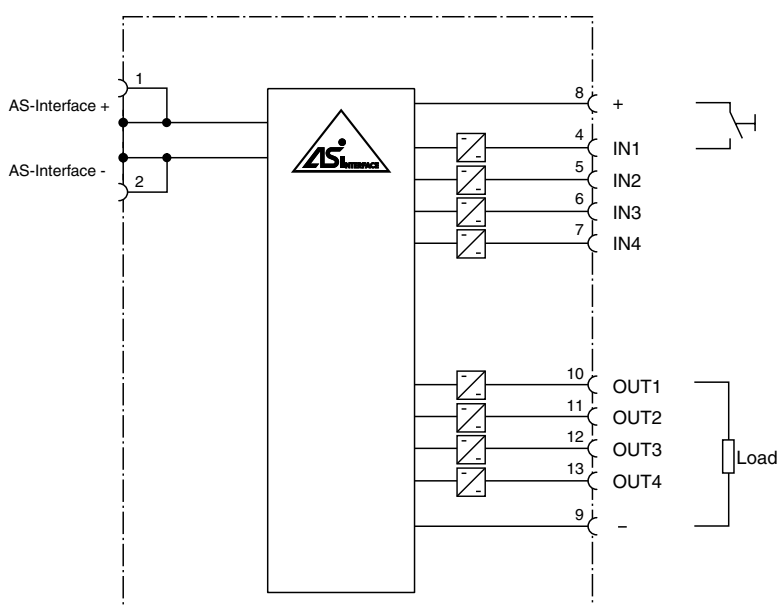
### Features

- Empty housing for the installation of up to 6 built-in buttons, built-in lamps or similar with diameter 22 mm
- Connection of the illuminated push-buttons via pluggable screw terminals
- Degree of protection IP65 possible
- Integrated communication monitoring function
- Inputs and outputs short-circuit and overload proof
- No external power supply required
- M12 plug for simple connection to AS-Interface

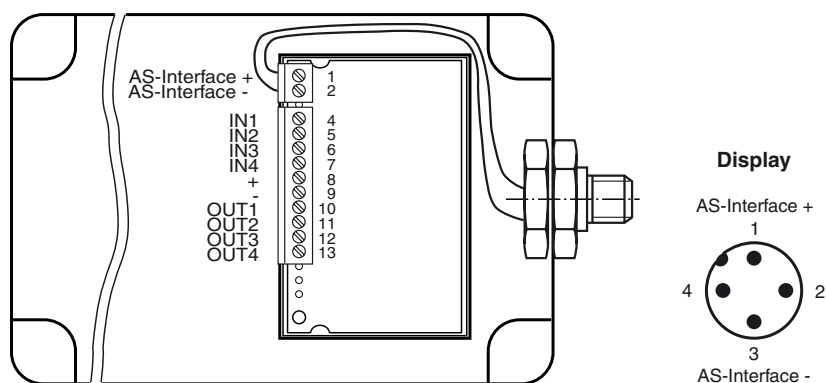
### Dimensions



### Electrical connection



### Indicating / Operating means



**Technical data****General specifications**

Slave type	Standard slave
AS-Interface specification	V2.0
Required master specification	≥ V2.0

**Electrical specifications**

Rated operating voltage	$U_e$	26.5 ... 31.6 V from AS-Interface
Rated operating current	$I_e$	≤ 30 mA (without sensors) / max. 180 mA
Protection class		III

**Input**

Number/Type	4 inputs for mechanical contacts
Supply	from AS-Interface
Voltage	21 ... 31 V
Input current	≤ 8 mA (limited internally)
Switching point	according to EN 61131-2 Typ 1
0 (unattenuated)	≤ 1.5 mA
1 (attenuated)	≥ 4 mA

**Output**

Number/Type	4 electronic outputs, PNP
Supply	from AS-Interface
Voltage	21 ... 31 V
Current	≤ 100 mA per output, ≤ 140 mA total

**Directive conformity**

Electromagnetic compatibility	
Directive 2014/30/EU	EN 62026-2:2013

**Standard conformity**

Degree of protection	EN 60529:2000
AS-Interface	EN 62026-2:2013

**Programming instructions**

Profile	S-7.0
IO code	7
ID code	0
ID1 code	F
ID2 code	E

Data bits (function via AS-Interface)	input	output
D0	IN1	OUT1
D1	IN2	OUT2
D2	IN3	OUT3
D3	IN4	OUT4

**Parameter bits (programmable via AS-i) function**

P0	not used
P1	not used
P2	not used
P3	not used

**Ambient conditions**

Ambient temperature	-25 ... 40 °C (-13 ... 104 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

**Mechanical specifications**

Degree of protection	IP65 in accordance with EN 60529 (with corresponding displays and controls)
Connection	M12 round connector

**Notes**

LED displays should be used preferably, in order to avoid an exceeding of the max. current.

**Function**

The VAA-LT3-F86-V1 light sensor module creates a connection between the operating personnel and the AS-Interface master. The housing is designed in combination with suitable display and control elements in protection type IP65.

The internal AS-Interface I/O module is ideally suited to integrating customer-specific electronics, for example light sensors or LED lights. The printed circuit board is supplied entirely from the AS-Interface. The inputs and outputs are protected against short circuits and overload and the connection between the display and control elements and the AS-Interface circuit board can be plugged in with screw-on plug-in terminals. The connection to the AS-Interface is implemented by means of a V1 round plug (M12 x 1).

An overloading of the outputs is signalled to the AS-Interface master via the "Peripheral fault" function. Communication via the AS-Interface remains intact.

The luminous push-button module can be expanded to a total of 8 inputs/8 outputs by means of an additional printed circuit board module VAA-4E4A-CB1-Z/E2.

**Note:**

Communication monitoring is integrated. This switches the outputs to a currentless state if no communication is taking place over the AS-Interface cable.

**Accessories****VAA-4E4A-CB1-Z/E2**

Printed circuit board module encapsulated in housing for expansion to 8 inputs/8 outputs

**VAZ-T1-FK-V1**

Splitter box AS-Interface to 1x M12 round connector

**VAZ-T1-FK-1M-PUR-V1-W**

Splitter box AS-Interface to M12 round connector