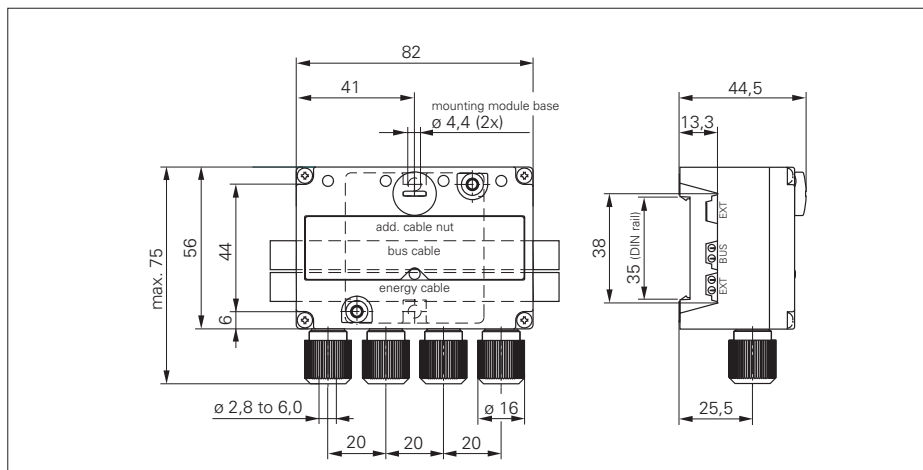


AS-Interface module

ASIA 56A0418

Art.-Code: 154382

- Spezifikation 2.11
- Standard addressing mode as S-slave; up to 31 modules
- Profile S - 8.0.F
- Address programming via jack
- External power supply with flat cables for four actuators
- Fault diagnosis LED's
- Output diagnosis feedback



bus data	
voltage supply range	26,5 - 33,1 VDC
supply current	≤ 50 mA
reverse polarity protection	yes
E/A configuration	8 HEX
ID-code / ID-2 code	0 HEX / F HEX
AS-i voltage indicator / error indicator	green LED / red LED
outputs	
switching element / polarity	FET / plus switching (PNP)
galvanic separation AS-i <> load circuit	2000 VDC
switching current per output I _{max}	2,3 A
total current for outputs	4 A
short-circuit protection / with feedback	yes / peripheral error diagnosis LED
watchdog for bus monitoring	yes
output indicator	yellow LED
external power supply for outputs	via separate AS-i flat cable, black
voltage range external feed	12 - 30 VDC
max. load inductivity (mH) @ 2,3 A	≤ 21 mH
general	
protection class	IP 65 (with EPDM cable)
temperature range / storage temperature	-25...+70 °C / -25...+85 °C
housing material	PBT / PC (UL 94 V-0)
specification power supply unit for external feed	according to PELV
mounting	DIN rail / screws
EMC	refer to the AS-i brochure
certificate no.	60103

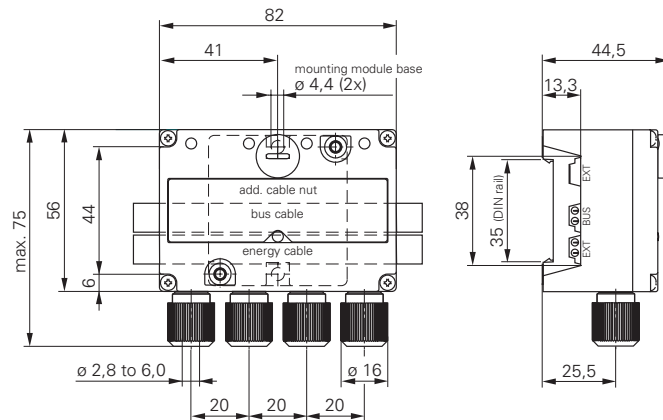
26,5 - 33,1 VDC
≤ 50 mA
yes
8 HEX
0 HEX / F HEX
green LED / red LED
FET / plus switching (PNP)
2000 VDC
2,3 A
4 A
yes / peripheral error diagnosis LED
yes
yellow LED
via separate AS-i flat cable, black
12 - 30 VDC
≤ 21 mH
IP 65 (with EPDM cable)
-25...+70 °C / -25...+85 °C
PBT / PC (UL 94 V-0)
according to PELV
DIN rail / screws
refer to the AS-i brochure
60103

AS-Interface module

ASIA 56A1321

Art.-Code: 147630

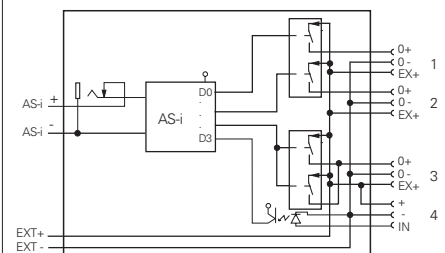
- Specification 2.11
- Extended addressing mode as A/B-slave; up to 62 modules
- Profile S - 9.A.E
- Address programming via jack
- Connection for one 3-wire sensor and three actuators
- External power supply with flat cables for actuators
- Fault diagnosis LED's
- Output diagnosis feedback



bus data
voltage supply range
supply current
reverse polarity protection
E/A configuration
ID-code / ID-2 code
AS-i voltage indicator / error indicator
inputs
external power supply for input
short-circuit protection with feedback
polarity of the input
input current high / low
input voltage high / low
input indicator
outputs
switching element / polarity
galvanic separation AS-i <> load circuit
switching current per output 1 / 2 I_{max}
switching current per output 3 I_{max}
total current for outputs
short-circuit protection / with feedback
watchdog for bus monitoring
output indicator
external power supply for outputs
voltage range external feed
max. load inductivity (mH) output 1 / 2 @ 2,3 A
max. load inductivity (mH) output 3 @ 3,3 A
general
protection class
temperature range / storage temperature
housing material
specification power supply unit for external feed
mounting
EMC
certificate no.

26,5 - 33,1 VDC
≤ 50 mA
yes
9 HEX
A HEX / E HEX
green LED / red LED
via separate AS-i flat cable, black
no
PNP
≥ 1,5 mA / ≤ 0,5 mA
> 10 VDC / < 5 VDC
yellow LED
FET / plus switching (PNP)
2000 VDC
each 2,3 A
3,3 A
4 A
yes / peripheral error LPF
yes
yellow LED
via separate AS-i flat cable, black
12 - 30 VDC
≤ 21 mH
≤ 25 mH
IP 65 (with EPDM cable)
-25...+70 °C / -25...+85 °C
PBT / PC (UL 94 V-0)
according to PELV
DIN rail / screws
refer to the AS-i brochure
60101

connection diagram



general

```
port assignment:
D0, D1, D2    output
D3            input
```

possible conductor cross-sections:
 sensor terminals: 0,08...2,5 mm²
 actuator terminals: 0,08...2,5 mm²
 max. outer cable diameter: ø 2,8...6 mm

diagnosis

ASI (green)	Error (red)	Status	Description
●	●	POWER OFF	no ASI+ power
⊙	○	Address = 0	Address = 0
●	○	no data exchange	Watchdog activated, Address ≠ 0
○	●	ok	ok
⊙	●	peripheral error	outputs: - overload / shorted

● LED dark ○ LED light ⊙ LED flashing

- A peripheral error at the outputs does not activate a master config. error
- Break of output cables not monitored