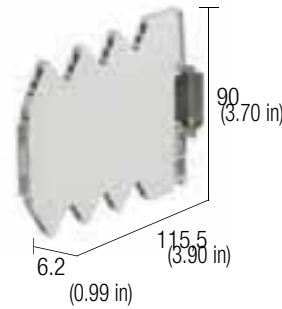


Current to analog converters

- For AC/DC current measurements
- Protected against transients
- Power supplied LED
- 3 output signals available

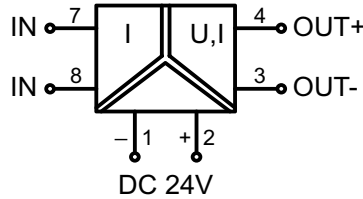


NOTES

The dimensions includes the terminal blocks and the DIN clamp.

(1) Do not connect directly to a 400 V line

BLOCK DIAGRAM



VERSIONS

- 0...1 A input
- 0...5 A input
- 0...10 A input

Cod. X756540	Cod. X756541	Cod. X756542
WAA 7-0540	WAA 7-0541	WAA 7-0542

APPLICATIONS

Through a "HALL" sensor they grant AC/DC current measurements.

The presence of current in a circuit indicates not only that power is supplied but also that the circuit is closed and the load connected and active.

It's also possible to know the work conditions of the circuit.

The module guarantees galvanic isolation between the current conductor and the analog.

INPUT TECHNICAL DATA

Input signal	0...1 A AC/DC	0...5 A AC/DC	0...10 A AC/DC
Max. input voltage	400 V (1)	400 V (1)	400 V (1)
Current wire connection	1.5 mm ² screw type	1.5 mm ² screw type	1.5 mm ² screw type

VOLTAGE	CURRENT
0...10 V	0...20 mA / 4...20 mA
11 V	21 mA
>1 K Ω	<400 Ω

OUTPUT TECHNICAL DATA

Output signal	0...10 V	0...20 mA / 4...20 mA
Max. output signal	11 V	21 mA
Applicable load	>1 K Ω	<400 Ω

GENERAL TECHNICAL DATA

Supply voltage	24 Vdc (16.8...30 Vdc)	24 Vdc (16.8...30 Vdc)	24 Vdc (16.8...30 Vdc)
Rated current	13 mA	13 mA	13 mA
Operating temperature	-25...+60°C	-25...+60°C	-25...+60°C
Linearity error	< 0.1% FS (23°C)	< 0.1% FS (23°C)	< 0.1% FS (23°C)
Offset error	< 0.5% FS (23°C)	< 0.5% FS (23°C)	< 0.5% FS (23°C)
Temperature coefficient	< 150 ppm / K FS	< 150 ppm / K FS	< 150 ppm / K FS
Response time	—	—	—
Protection degree	IP20	IP20	IP20
Connection terminal	1.5 mm ² screw type	1.5 mm ² screw type	1.5 mm ² screw type
Approx. weight	55 g (1.94 oz)	55 g (1.94 oz)	55 g (1.94 oz)
Mounting information	vertical on rail adjacent without gap	vertical on rail adjacent without gap	vertical on rail adjacent without gap

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

Supply voltage	24 Vdc (16.8...30 Vdc)	24 Vdc (16.8...30 Vdc)	24 Vdc (16.8...30 Vdc)
Rated current	13 mA	13 mA	13 mA
Operating temperature	-25...+60°C	-25...+60°C	-25...+60°C
Linearity error	< 0.1% FS (23°C)	< 0.1% FS (23°C)	< 0.1% FS (23°C)
Offset error	< 0.5% FS (23°C)	< 0.5% FS (23°C)	< 0.5% FS (23°C)
Temperature coefficient	< 150 ppm / K FS	< 150 ppm / K FS	< 150 ppm / K FS
Response time	—	—	—
Protection degree	IP20	IP20	IP20
Connection terminal	1.5 mm ² screw type	1.5 mm ² screw type	1.5 mm ² screw type
Approx. weight	55 g (1.94 oz)	55 g (1.94 oz)	55 g (1.94 oz)
Mounting information	vertical on rail adjacent without gap	vertical on rail adjacent without gap	vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5	
Mounting rail type according to IEC60715/G32	
Plug-in jumper	red
(16 poles, 16 A)	white
	blue

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

CWBK 7-0802	cod. X766802
CWBK 7-0803	cod. X766803
CWBK 7-0804	cod. X766804

● → Switch On		S1			
Input	Output	1	2	3	4
0-1A	0-10V				
0-1A	0-20mA	●			
0-1A	4-20mA	●			

Range WAA7-0540

● → Switch On		S1			
Input	Output	1	2	3	4
0-5A	0-10V				
0-5A	0-20mA	●			
0-5A	4-20mA	●			

Range WAA7-0541

● → Switch On		S1			
Input	Output	1	2	3	4
0-10A	0-10V				
0-10A	0-20mA	●			
0-10A	4-20mA	●			

Range WAA7-0542