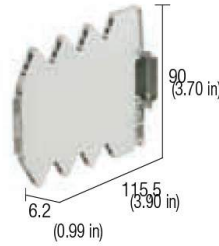


# Аналоговый преобразователь силы тока серии WAA и SW



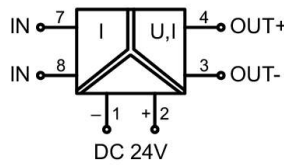
## Current to analog converters

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



### NOTES BLOCK DIAGRAM

The dimensions includes the terminal blocks and the DIN clamp.  
(1) Do not connect directly to a 400 V line



VERSIONS	Cod. X756540	Cod. X756541	Cod. X756542	APPLICATIONS
0...1 A input	WAA 7-0540			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.
0...5 A input		WAA 7-0541		
0...10 A input			WAA 7-0542	
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 <sup>2</sup> screw type	1.5 mm <sup>2</sup> screw type	1.5 mm <sup>2</sup> screw type	
OUTPUT TECHNICAL DATA				
Output signal	VOLTAGE		CURRENT	
Max. output signal	0...10 V		0...20 mA / 4...20 mA	
Applicable load	11 V		21 mA	
	>1 K $\Omega$		<400 $\Omega$	
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 <sup>2</sup> screw type	1.5 mm <sup>2</sup> screw type	1.5 mm <sup>2</sup> 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	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB			
Mounting rail type according to IEC60715/G32	—			
Plug-in jumper	red	CWBK 7-0802 cod. X766802		
(16 poles, 16 A)	white	CWBK 7-0803 cod. X766803		
	blue	CWBK 7-0804 cod. X766804		

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

Range WAA7-0540

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

Range WAA7-0541

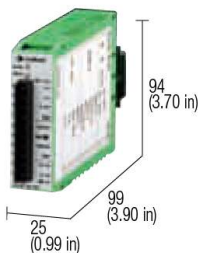
● → Switch On	S1			
Input	Output	1	2	3
0-10A	0-10V			
0-10A	0-20mA	●		
0-10A	4-20mA		●	

Range WAA7-0542



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NOTES	BLOCK DIAGRAM
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The dimensions includes the terminal blocks and the DIN clamp.

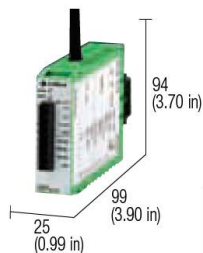
Article available until sell-out  
 XW000928 will be replaced by **X756540**  
 XW000929 will be replaced by **X756541**  
 XW000930 will be replaced by **X756542**

VERSIONS	Cat. No. XW000928	Cat. No. XW000929	Cat. No. XW000930	APPLICATIONS
0...1 A input	SW01VA			In 99 mm depth measure is included the space occupied by the terminal block provided with the product. 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 output and, if not connected in series to the controlled current, cannot be damaged by power surges or short circuits.
0...5 A input		SW05VA		
0...10 A input			SW10VA	
INPUT TECHNICAL DATA				
Input signal	0...1 A AC/DC	0...5 A AC/DC	0...10 A AC/DC	
Max. input voltage	380 V	380 V	380 V	
Current wire connection	2.5 mm <sup>2</sup> pluggable screw type	2.5 mm <sup>2</sup> pluggable screw type	2.5 mm <sup>2</sup> pluggable screw type	
OUTPUT TECHNICAL DATA				
Output signal	VOLTAGE			CURRENT
Max. output signal	0...10 V	0...20 mA / 4...20 mA		
Applicable load	11 V	22 mA		
	>2 KΩ	<500 Ω		
GENERAL TECHNICAL DATA				
Supply voltage	24 Vdc ± 10%	24 Vdc ± 10%	24 Vdc ± 10%	
Rated current	60 mA	60 mA	60 mA	
Operating temperature	0...55°C	0...55°C	0...55°C	
Linearity error	< 0.5%	< 0.5%	< 0.5%	
Offset error	< 0.5%	< 0.5%	< 0.5%	
Amplification error	< 0.2%	< 0.2%	< 0.2%	
Temperature coefficient	< 0.02%/K	< 0.02%/K	< 0.02%/K	
Surge immunity	200 V	200 V	200 V	
Response time	10 mS	10 mS	10 mS	
Protection degree	IP20	IP20	IP20	
Connection terminal	2.5 mm <sup>2</sup> pluggable screw type	2.5 mm <sup>2</sup> pluggable screw type	2.5 mm <sup>2</sup> pluggable screw type	
Approx. weight	100 g (3.53 oz)	100 g (3.53 oz)	100 g (3.53 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	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB			
Mounting rail type according to IEC60715/G32	—			
Plug-in jumper	red	—		
(16 poles, 16 A)	white	—		
	blue	—		



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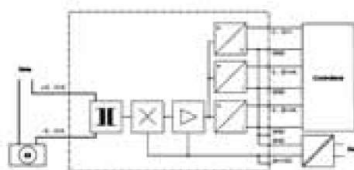
Article available until sell-out



### NOTES

The dimensions includes the terminal blocks and the DIN clamp.

### BLOCK DIAGRAM



VERSIONS	Cat. No. XW000931	Cat. No. XW000932	APPLICATIONS
0...20 A input 0...50 A input	SW20VA	SW50VA	<p>In 99 mm depth measure is included the space occupied by the terminal block provided with the product.</p> <p>They allow the user to measure AC/DC currents by an "HALL" sensor. 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 is also possible to know the working conditions of the controlled circuit.</p> <p>The module guarantees galvanic isolation between the current conductor and the analog output and, if not connected in series to the controlled current, cannot be damaged by power surges or short circuits.</p>
INPUT TECHNICAL DATA			
Input signal	0...20 A AC/DC	0...50 A AC/DC	
Max. input voltage	380 V	380 V	
Current wire connection	Ø 8 mm	Ø 8 mm	
OUTPUT TECHNICAL DATA			
Output signal	0...10 V	0...20 mA / 4...20 mA	
Max. output signal	11 V	22 mA	
Applicable load	>2 KΩ	<500 Ω	
GENERAL TECHNICAL DATA			
Supply voltage	24 Vdc ± 10%	24 Vdc ± 10%	
Rated current	60 mA	60 mA	
Operating temperature	0...55°C	0...55°C	
Linearity error	< 0.5%	< 0.5%	
Offset error	< 0.5%	< 0.5%	
Amplification error	< 0.2%	< 0.2%	
Temperature coefficient	< 0.02%/K	< 0.02%/K	
Surge immunity	200 V	200 V	
Response time	10 mS	10 mS	
Protection degree	IP20	IP20	
Connection terminal	2.5 mm <sup>2</sup> pluggable screw type (14 AWG)	2.5 mm <sup>2</sup> pluggable screw type (14 AWG)	
Approx. weight	100 g (3.53 oz)	100 g (3.53 oz)	
Mounting information	vertical on rail adjacent without gap	vertical on rail adjacent without gap	
MOUNTING ACCESSORIES			
Mounting rail type according to IEC60715/TH35	PR/3/AC, PR/3/AS		
Mounting rail type according to IEC60715/G32	PR/DIN/AC, PR/DIN/AS, PR/DIN/AL		
Plug-in jumper (16 poles, 16 A)	red white blue	— — —	