

NEW PRODUCTS



GALVANIC ISOLATORS and ANALOGUE CONVERTERS



Main characteristics

The series includes galvanic isolators as the evolution of our current CW series

With the latest technology and highly miniaturized components we have innovated our range of converters, making them more compact, while maintaining the general technical characteristics.

In this way, those who already know and use the previous series, find in the CON series the same completeness of functions and ease of use, but in a much more compact design and with a convenient and quick push-in connection, which allows to avoid the " use of tools during the wiring phase.

Starting from 2021, this series will gradually replace the previous one, the following pages illustrate and compare the characteristics of the various models, in order to allow a faster evaluation.

Availability

available from February 2021

The products are included in the 2019 catalog and on the 2021 price list

Strengths

- Compact dimension and 6,2 mm pitch
- Symmetrical design, allows bi-directional DIN rail mounting to place side by side input and output modules
- Depth reduced to 76 mm
- Quick push-in connection, does not require the use of tools for inserting cables
- Isolated plug-in bridges available
- Unified identification plate that can be printed using Cabur Smart Print +
- UL approved

Applications

- Industrial automation
- Process control

Comparison table

Galvanic isolators and analogue signal converters			
New CON series		Description	Note Replace:
Code	Model		
XCONAA516P	CWUAA6-0516	programmable	X756516
XCONAA530P (*)	CWAA7-0530	0-10V/0-10V	X756530
XCONAA531P (*)	CWAA7-0531	0-10V/0-20mA	X756531
XCONAA532P (*)	CWAA7-0532	0-10v/4-20mA	X756532
XCONAA533P (*)	CWAA7-0533	0-20mA/0-10V	X756533
XCONAA534P (*)	CWAA7-0534	0-20mA/0-20mA	X756534
XCONAA535P (*)	CWAA7-0535	0-20mA/4-20mA	X756535
XCONAA536P (*)	CWAA7-0536	4-20mA/0-10mA	X756536
XCONAA537P (*)	CWAA7-0537	4-20mA/0-20mA	X756537
XCONAA538P (*)	CWAA7-0538	4-20mA/4-20mA	X756538
XCONAA539P	CWNAA7-0539	programmable	X756539
XCONPC528P	CON-PC-528P	Passive signals	X756526

(*) Model available upon request, we suggest the programmable version XCONAA539P

- Input: up to 14 programmable range
- Output: 3 programmable range
- 3 way galvanic isolation

NEW



Code	X756516	XCONAA516P
Model	CWUAA 6-0516	CON-AA-516P
INPUT TECHNICAL DATA		
Signal type	analogue	analogue
Input range	0...60 / 0...100 / 0...300 / 0...500 mV 0...1/0...10 / 0...20 / 2...20 V 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA	0...60 / 0...100 / 0...300 / 0...500 mV 0...1/0...2/0...5 / 0...10 / 0...20 / 2...10 V 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA
Maximum voltage / current signal	—	—
Input impedance	330 kΩ @0-10V / 100 Ω @0-20mA	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	DIP switch	DIP switch
OUTPUT TECHNICAL DATA		
Signal type	analogue	analogue
Output range	0...10 V / 0...20 mA / 4...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	21 mA @0-10V	18V @0-10V / 5 mA @0-20mA
Load impedance	>1 kΩ @0-10V / <400 kΩ @0-20mA	2 KΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV
Status indication	LED	LED
Parametrization	DIP switch	DIP switch
GENERAL TECHNICAL DATA		
Power supply voltage	24 Vac/dc	24 Vac/dc
Current consumption	35 mA	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.02%	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—
Transmission frequency	30 Hz	30 Hz 3dB
Resolution	—	—
Rise time	10 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1
EMC Standards	—	—
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	2.5 mm ² / 2.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	17.5x79x84 mm	17.5x93x73 mm
Approximate weight	70 g	60 g
Mounting information	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	TAP207A_	—

- Input: 3 programmable range
- Output: 3 programmable range
- 3 way galvanic isolation

NEW



Code	X756539	XCONAA539P
Model	CWNAA-7-0539	CON-AA-539P
INPUT TECHNICAL DATA		
Signal type	analogue	analogue
Input range	0...10 V, 0...20 / 4...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—
Input impedance	330 kΩ @0-10V / 100 Ω @0-20mA	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	DIP switch	DIP switch
OUTPUT TECHNICAL DATA		
Signal type	analogue	analogue
Output range	0...10 V / 0...20 mA / 4...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	21 mA @0-10V	16V @0-10V / 5 mA @0-20mA
Load impedance	>1 kΩ @0-10V / <400 kΩ @0-20mA	2 KΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV
Status indication	LED	LED
Parametrization	DIP switch	DIP switch
GENERAL TECHNICAL DATA		
Power supply voltage	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—
Transmission frequency	30 Hz	30 Hz
Resolution	—	—
Rise time	10 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1
EMC Standards	—	—
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.5 mm	6.2x93x73 mm
Approximate weight	40 g	30g
Mounting information	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	—	—

- Input: 0...10 V
- Output: 0...10 V
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756530	XCONAA530P	XCONAA539P
Model	CWAA 7-0530	CON-AA-530P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...10 V	0...10 V	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	330 kΩ	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...10 V	0...10 V	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	21 mA	—	16V @0-10V / 5 mA @0-20mA
Load impedance	>1 kΩ	—	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 0...10 V
- Output: 0...20 mA
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756531	XCONAA531P	XCONAA539P
Model	CWAA 7-0531	CON-AA-531P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...10 V	0...10 V	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	330 kΩ	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 0...10 V
- Output: 4...20 mA
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756532	XCONAA532P	XCONAA539P
Model	CWAA 7-0532	CON-AA-532P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...10 V	0...10 V	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	330 kΩ	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 0...20 mA
- Output: 0...10 V
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756533	XCONAA533P	XCONAA539P
Model	CWAA 7-0533	CON-AA-533P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...10 V	0...10 V	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	21 mA	—	16V @0-10V / 5 mA @0-20mA
Load impedance	>1 kΩ	—	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 0...20 mA
- Output: 0...20 mA
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756534	XCONAA534P	XCONAA539P
Model	CWA 7-0534	CON-AA-534P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 0...20 mA
- Output: 4...20 mA
- 3 way galvanic isolation

NEW
available upon request

NEW
suggested model
programmable IN/OUT



Code	X756535	XCONAA535P	XCONAA539P
Model	CWAA 7-0535	CON-AA-535P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 4...20 mA
- Output: 0...10 V
- 3 way galvanic isolation

NEW
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NEW
suggested model
programmable IN/OUT



Code	X756536	XCONAA536P	XCONAA539P
Model	CWAA 7-0536	CON-AA-536P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...10 V	0...10 V	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	21 mA	—	16V @0-10V / 5 mA @0-20mA
Load impedance	>1 kΩ	—	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 4...20 mA
- Output: 0...20 mA
- 3 way galvanic isolation

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NEW
suggested model
programmable IN/OUT



Code	X756537	XCONAA537P	XCONAA539P
Model	CWA 7-0537	CON-AA-537P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	0...20 mA	0...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 4...20 mA
- Output: 4...20 mA
- 3 way galvanic isolation

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NEW
suggested model
programmable IN/OUT



Code	X756538	XCONAA538P	XCONAA539P
Model	CWAA 7-0538	CON-AA-538P	CON-AA-539P
INPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Input range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum voltage / current signal	—	—	—
Input impedance	100 Ω	—	330 kΩ @0-10V / 100 Ω @0-20mA
Parametrization	—	—	DIP switch
OUTPUT TECHNICAL DATA			
Signal type	analogue	analogue	analogue
Output range	4...20 mA	4...20 mA	0...10 V / 0...20 mA / 0...20 mA
Maximum output signal	—	—	16V @0-10V / 5 mA @0-20mA
Load impedance	<400 Ω	500 Ω	2 kΩ @0-10V / 500 Ω @0-20mA
Ripple	<5 mV	<20 mV	<20 mV
Status indication	LED	LED	LED
Parametrization	—	—	DIP switch
GENERAL TECHNICAL DATA			
Power supply voltage	24 Vac/dc	24 Vac/dc	24 Vac/dc
Current consumption	13 mA	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.1%	0.05% FSR	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—	—
Transmission frequency	30 Hz	30 Hz 3dB	30 Hz
Resolution	—	—	—
Rise time	10 ms	6 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT / power)	3-way (IN / OUT / power)	3-way (IN / OUT / power)
Standard / approvals	—	EN 60947-5-1	EN 60947-5-1
EMC Standards	—	—	—
Overvoltage category / Pollution degree	II / 2	II / 2	II / 2
Protection degree	IP 20	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.2 mm	6.2x93x73 mm	6.2x93x73 mm
Approximate weight	40 g	29 g	30g
Mounting information	on rail, side by side	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL	CE, UL
ACCESSORIES			
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—	—
Marking tag	—	—	—

- Input: 4...20 mA
- Output: 4...20 mA
- 2 way galvanic isolation
- Suitable for loop sensors

NEW



Code	X756526	XCONPC528P
Model	CWPAA 7-0526	CON-PC-528P
INPUT TECHNICAL DATA		
Signal type	analogue	analogue
Input range	0...20 mA, 4...20 mA	4...20 mA
Maximum voltage / current signal	(20 mA x Rb)+ 2.7	—
Input impedance	1 kΩ	—
Parametrization	—	—
OUTPUT TECHNICAL DATA		
Signal type	analogue	analogue
Output range	4...20 mA, (max 21 mA)	4...20 mA
Maximum output signal	21 mA	—
Load impedance	—	<1 KΩ (Rb)
Ripple	<5 mV	<5 mV
Status indication	—	LED
Parametrization	—	—
GENERAL TECHNICAL DATA		
Power supply voltage	—	—
Current consumption	—	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	—	<0.06% (100 Ω)
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—
Transmission frequency	—	—
Resolution	—	—
Rise time	6 ms	—
Operating temperature range	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	1.5 kVac / 60 s
Insulation type	2-vie (IN / OUT)	2-vie (IN / OUT)
Standard / approvals	—	EN 60947-5-1
EMC Standards	—	—
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material
Dimension (WxHxD)	6.2x90x92.5 mm	6.2x93x73 mm
Approximate weight	35 g	40 g
Mounting information	on rail, side by side	on rail, side by side
Approvals	CE, UL	CE, UL
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	—	—