

Interface Technology · LCIS analogue/analogue converter

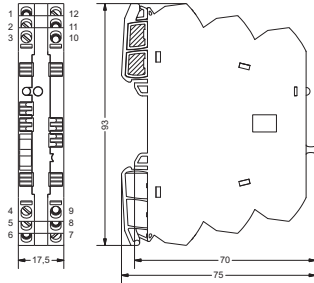
Input: 0-10 V / 0-20 mA / 4-20mA, manual off automatic

Output: 0-10 V / 0-20 mA / 4-20 mA

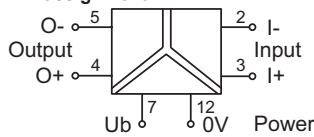
Insulation: 2,5 kV / 4 kV, 3-way disconnection, Wide range input



Dimensions



PIN assignment



Range adjustment

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

S1	Output
● → Switch On	5 6
0-10V*	●
0-20mA	●
4-20mA	●

Description	Part-No.	Type	PU			
Screw terminal						
Nominal voltage	AC/DC 24 V	750518.0000	LCIS-WAA-MA-0518-175-S	1		
	AC/DC 24-240 V	750519.0000	LCIS-WP-WAA-MA-0519-S	1		
Push-In						
Nominal voltage	AC/DC 24 V	751518.0000	LCIS-WAA-MA-0518-175-PI	1		
	AC/DC 24-240 V	751519.0000	LCIS-WP-WAA-MA-0519-PI	1		
Input						
	0/10 V	0-20 mA	4-20 mA			
Input resistance	>330 kΩ	<100 Ω				
Input signal	adjustable via DIP switch S1					
Galvanic insulation I/O	3-way isolation					
Zero /Span	Production comparison					
Output						
	0/10 V	0-20 mA	4-20 mA			
Max. load impedance at I-output	-	500 Ω				
Min. load impedance at U-output	2 kΩ	-				
Output current	max. 5 mA	-				
Output voltage	-	max 18 V				
Output signal	adjustable via DIP switch S1					
Ripple	<20 mV _{eff}					
General						
	AC/DC 24 V		AC/DC 24-240 V			
Operation voltage range	DC: 19.2-26.4 V, AC: 19.2-26.4 V		DC: 19.2-264 V, AC: 19.2-264 V			
Status Indication	LED green					
Input/output protection	Overvoltage AC/DC 26.4 V, PTC fuse, Output short circuit-proof		Overvoltage AC/DC 264 V, PTC fuse, Output short circuit-proof			
Accuracy	0.1 % FSR (23 °C)					
Linearity error	0.05 % FSR					
Rise time (10 - 90%)	6 ms					
Build-up time (Accuracy 1%)	17 ms					
Transmission frequency	30 Hz at 3 dB					
Temperature coefficient	<150 ppm / K FSR					
Insulation voltage input/output	2.5 kV _{eff}	4.0 kV _{eff}				
Housing material	PA 6.6 (UL 94 V-0) / NFF I2 F2					
Field installation	rail TS 35 (EN 60175)					
Protection class	IP 20					
Installation position	Optional					
Termination	Screw terminal: solid 0.25 - 2.5 mm ² / AWG 20 - 14 fine stranded with ferrule 0.25 - 1.5 mm ² / AWG 20 - 16 Stripping length: 6 mm Screw driver: 3.5 x 0.5 mm					
Operation temperature range	-25 °C - 60 °C					
Storage temperature range	-40 °C - 80 °C					
Dimensions (w × h × d)	17.5 × 93.0 × 75.0 mm					
Weight (kg/piece)	0.059					
Approvals	CSA and GL in preparation, UL					
Accessories	Color	2-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	white	762803.1000	762813.1000	762823.1000	762833.1000	10
Accessories	Color	Article number		Type	PU	
Tag holder (quantity 200)	white (5×5 mm)	780981.000.2		LCOS-ZB-BZS-white-00	1	
Tag holder (quantity 200)	red (5×5 mm)	780982.000.2		LCOS-ZB-BZS-red-00	1	
Tag holder (quantity 200)	blue (5×5 mm)	780983.000.2		LCOS-ZB-BZS-blue-00	1	
Tag holder (quantity 120)	white (12×6 mm)	780985.000.2		LCOS-ZB-BZS-white-12/6	1	

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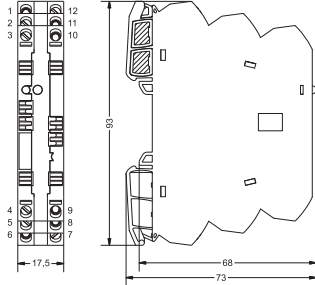
Input: 0-10 V / 0-20 mA / 4-20 mA

Output: 0-10 V / 0-20 mA / 4-20 mA

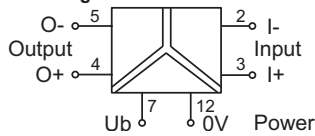
Insulation: 4 kV, 3-way disconnection, Wide range input



Dimensions



PIN assignment



Range adjustment

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

S1	Output
● → Switch On	5 6
0-10V*	●
0-20mA	● ●
4-20mA	● ●

Description	Part-No.	Type	PU			
Screw terminal						
Nominal voltage	AC/DC 24-240 V	750510.0000	LCIS-WP-WAA-0510-175-S	1		
Push-In						
Nominal voltage	AC/DC 24-240 V	751510.0000	LCIS-WP-WAA-0510-175-PI	1		
Input						
Input resistance	>330 kΩ					
Input signal	adjustable via DIP switch S1					
Galvanic insulation I/O	3-way isolation					
Zero /Span	Production comparison					
Output						
Max. load impedance at I-output	–		500 Ω			
Min. load impedance at U-output	2 kΩ		–			
Output current	max. 5 mA		–			
Output voltage	–		max 18 V			
Output signal	adjustable via DIP switch S1					
Ripple	<20 mV _{eff}					
General						
Nominal voltage	AC/DC 24-240 V					
Operation voltage range	DC: 16.8-264 V, AC: 19.2-264 V					
Status Indication	LED green					
Input/output protection	Overvoltage AC/DC 264 V, PTC fuse, Output short circuit-proof					
Accuracy	0.1 % FSR (23 °C)					
Linearity error	0,05 % FSR					
Rise time (10 - 90%)	6 ms					
Build-up time (Accuracy 1%)	17 ms					
Transmission frequency	30 Hz at 3 dB					
Temperature coefficient	<150 ppm / K FSR					
Insulation voltage input/output	4.0 kV _{eff}					
Housing material	PA 6.6 (UL 94 V-0) / NFF I2 F2					
Field installation	rail TS 35 (EN 60175)					
Protection class	IP 20					
Installation position	Optional					
Termination	Screw terminal: solid		Push-In: solid			
	0.25 – 2.5 mm ² / AWG 20 – 14		0.25 – 2.5 mm ² / AWG 20 – 14			
	fine stranded with ferrule		fine stranded with ferrule			
	0.25 – 1.5 mm ² / AWG 20 – 16		0.25 – 1.5 mm ² / AWG 20 – 16			
	Stripping length: 6 mm		Stripping length: 8 mm			
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm			
Operation temperature range	-25 °C – 60 °C					
Storage temperature range	-40 °C – 80 °C					
Dimensions (w × h × d)	17.5 × 93.0 × 73.0 mm					
Weight (kg/piece)	0.059					
Approvals	CSA and GL in preparation, UL					
Accessories	Color	2-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	white	762803.1000	762813.1000	762823.1000	762833.1000	10
Accessories	Color	Article number		Type		PU
Tag holder (quantity 200)	white (5×5 mm)	780981.000.2		LCOS-ZB-BZS-white-00		1
Tag holder (quantity 200)	red (5×5 mm)	780982.000.2		LCOS-ZB-BZS-red-00		1
Tag holder (quantity 200)	blue (5×5 mm)	780983.000.2		LCOS-ZB-BZS-blue-00		1
Tag holder (quantity 120)	white (12×6 mm)	780985.000.2		LCOS-ZB-BZS-white-12/6		1

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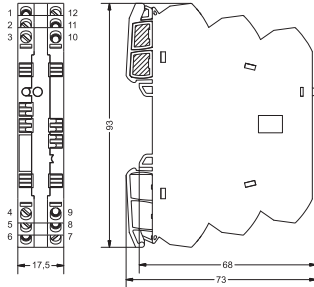
Input: 0-10 V / 0-20 mA / 4-20mA

Output: 0-10 kHz

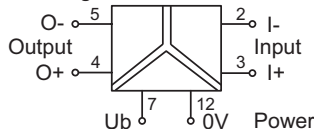
Insulation: 4 kV, 3-way disconnection, Wide range input



Dimensions



PIN assignment



Range adjustment

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

S1	Output
● → Switch On	5 6
0-50 Hz*	●
0-100 Hz	●
0-1000 Hz	●
0-10000 Hz	●

Description	Part-No.	Type	PU			
Screw terminal						
Nominal voltage	AC/DC 24-240 V	750512.0000	LCIS-WP-WAF-0512-175-S	1		
Push-In						
Nominal voltage	AC/DC 24-240 V	751512.0000	LCIS-WP-WAF-0512-175-PI	1		
Input						
	0/10 V	0-20 mA	4-20 mA			
Input resistance	>330 kΩ	<100 Ω				
Input signal	adjustable via DIP switch S1					
Galvanic insulation I/O	3-way isolation					
Zero /Span	Production comparison					
Transmission frequency	30 Hz at 3 dB					
Output						
	0 - 50 Hz	0 - 100 Hz	0 - 1 kHz	0 - 10 kHz		
Output signal	adjustable via DIP switch S1					
Ripple	-					
General						
Nominal voltage	AC/DC 24-240 V					
Operation voltage range	DC: 16.8-264 V; AC: 19.2-264 V					
Status Indication	LED green					
Input/output protection	Overvoltage AC/DC 264 V, PTC fuse, Output short circuit-proof					
Accuracy	0.1 % FSR (23 °C)					
Linearity error	0,05 % FSR					
Rise time (10 - 90%)	frequency-dependent					
Build-up time (Accuracy 1%)	frequency-dependent					
Transmission frequency	frequency-dependent					
Temperature coefficient	<150 ppm / K FSR					
Insulation voltage input/output	4.0 kV _{eff}					
Housing material	PA 6.6 (UL 94 V-0) / NFF I2 F2					
Field installation	rail TS 35 (EN 60175)					
Protection class	IP 20					
Installation position	Optional					
Termination	Screw terminal: solid 0.25 - 2.5 mm ² / AWG 20 - 14 fine stranded with ferrule 0.25 - 1.5 mm ² / AWG 20 - 16 Stripping length: 6 mm Screw driver: 3.5 x 0.5 mm	Push-In: solid 0.25 - 2.5 mm ² / AWG 20 - 14 fine stranded with ferrule 0.25 - 1.5 mm ² / AWG 20 - 16 Stripping length: 8 mm Screw driver: 3.5 x 0.5 mm				
Operation temperature range	-25 °C - 60 °C					
Storage temperature range	-40 °C - 80 °C					
Dimensions (w × h × d)	17.5 × 93.0 × 73.0 mm					
Weight (kg/piece)	0.058					
Approvals	CSA and GL in preparation, UL					
Accessories						
6 A jumper comb	white	762803.1000	762813.1000	762823.1000	762833.1000	PU
Accessories						
	Color	Article number	Type	PU		
Tag holder (quantity 200)	white (5×5 mm)	780981.000.2	LCOS-ZB-BZS-white-00	1		
Tag holder (quantity 200)	red (5×5 mm)	780982.000.2	LCOS-ZB-BZS-red-00	1		
Tag holder (quantity 200)	blue (5×5 mm)	780983.000.2	LCOS-ZB-BZS-blue-00	1		
Tag holder (quantity 120)	white (12×6 mm)	780985.000.2	LCOS-ZB-BZS-white-12/6	1		

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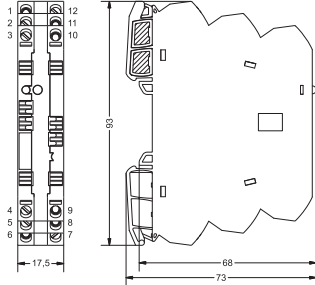
Input: 16 selectable ranges

Output: 0-10 V / 0-20 mA / 4-20mA

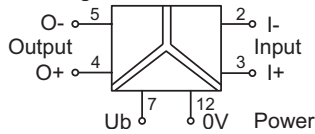
Insulation: 2.5 kV / 4 kV, 3-way disconnection, Wide range input



Dimensions



PIN assignment



Range adjustment

S1	Input	1	2	3	4
● → Switch On					
0-60 mV					
0-100 mV	●				
0-300 mV		●			
0-500 mV			●		
0-1 V				●	
0-2 V					●
0-5 V					●
0-10 V*					●
2-10 V					●
0-20 V					●
0-5 mA					●
0-10 mA					●
±5 mA					●
±20 mA					●
0-20 mA					●
4-20 mA					●

S1	Output	5	6
● → Switch On			
0-10 V*			●
0-20 mA			●
4-20 mA			●

Description	Part-No.	Type	PU			
Screw terminal						
Nominal voltage	AC/DC 24 V	750516.0000	LCIS-WUAA-0516-175-S	1		
	AC/DC 24-240 V	750517.0000	LCIS-WP-WUAA-0517-175-S	1		
Push-In						
Nominal voltage	AC/DC 24-240 V	751517.0000	LCIS-WP-WUAA-0517-175-PI	1		
	AC/DC 24 V	751516.0000	LCIS-WUAA-0516-175-PI	1		
Input						
	mV, V	mA				
Input signal	0-60, 0-100, 0-300, 0-500 mV 0-1, 0-2, 0-5, 0-10, 0-20, 2-10 V adjustable via DIP switch S1	0-5, 0-10, 0-20, 4-20, ±5, ±20 mA adjustable via DIP switch S1				
Input resistance	>330 kΩ	<100 Ω				
Input signal	-					
Galvanic insulation I/O	3-way isolation					
Zero /Span	Production comparison					
Output	0/10 V	0-20 mA	4-20 mA			
Max. load impedance at I-output	-	500 Ω				
Min. load impedance at U-output	2 kΩ	-				
Output current	max. 5 mA	-				
Output voltage	-	max 18 V				
Output signal	Adjustable via switch					
Ripple	<20 mV _{eff}					
General						
	AC/DC 24 V	AC/DC 24-240 V				
Operation voltage range	DC: 19.2-26.4 V, AC: 19.2-26.4 V	DC: 19.2-264 V, AC: 19.2-264 V				
Status Indication	LED green					
Input/output protection	Overvoltage AC/DC 26.4 V, PTC fuse, Output short circuit-proof	Overvoltage AC/DC 264 V, PTC fuse, Output short circuit-proof				
Accuracy	0.1 % FSR (23 °C)					
Linearity error	0,05 % FSR					
Rise time (10 - 90%)	6 ms					
Build-up time (Accuracy 1%)	17 ms					
Transmission frequency	30 Hz at 3 dB					
Temperature coefficient	<150 ppm / K FSR					
Insulation voltage input/output	2.5 kV _{eff}	4.0 kV _{eff}				
Housing material	PA 6.6 (UL 94 V-0) / NFF I2 F2					
Field installation	rail TS 35 (EN 60175)					
Protection class	IP 20					
Installation position	Optional					
Termination	Screw terminal: solid 0.25 - 2.5 mm ² / AWG 20 - 14 fine stranded with ferrule 0.25 - 1.5 mm ² / AWG 20 - 16 Stripping length: 6 mm Screw driver: 3.5 x 0.5 mm					
Operation temperature range	-25 °C - 60 °C					
Storage temperature range	-40 °C - 80 °C					
Dimensions (w x h x d)	17.5 x 93.0 x 73.0 mm					
Weight (kg/piece)	0.059					
Approvals	CSA and GL in preparation, UL					
Accessories	Color	2-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	white	762803.1000	762813.1000	762823.1000	762833.1000	10
Accessories	Color	Article number	Type	PU		
Tag holder (quantity 200)	white (5x5 mm)	780981.000.2	LCOS-ZB-BZS-white-00	1		
Tag holder (quantity 200)	red (5x5 mm)	780982.000.2	LCOS-ZB-BZS-red-00	1		
Tag holder (quantity 200)	blue (5x5 mm)	780983.000.2	LCOS-ZB-BZS-blue-00	1		
Tag holder (quantity 120)	white (12x6 mm)	780985.000.2	LCOS-ZB-BZS-white-12/6	1		