



# Static energy meters





Model	Conto D1		Conto D2-b
Codes	<b>CE11165A0</b>	<b>CE11165A2</b>	<b>CE21175A0</b>
Ordering codes see page:	09	09	09
Connection on line	single-phase		single-phase
Active energy	class 1 EN62053-21		class 1 EN62053-21
Counter	7 digit LCD		6 digit LCD
Direct ammetric connection	5(32)A		5(36)A
Direct voltmetric connection	230V		230-240V
Frequency	50 - 60Hz		50 - 60Hz
Auxiliary supply	selfsupplied		selfsupplied
Pulse output			•
Dimensions	1 module DIN		2 module DIN
Sealable housing	•		
Technical note	NT784		NT660
Price			



Model	Conto D2		Conto D2 MID	
	CE20195A2	CE20195A4	CE2DMID12	CE2DMID11
Codes				
Ordering codes see page:	09	09	09	09
Certificate according to MID directive			•	•
Connection on line	single-phase		single-phase	
Active energy	class 1 EN62053-21		class B EN50470	
Resettable partial active energy	•		•	
Current	•		•	
Voltage	•		•	
Active power	•		•	
Frequency	•		•	
Power factor	•		•	
Run hour meter	•		•	
Counter	6 digit LCD		6 backlit digit LCD	
Direct ammetric connection	5(63)A		10(63)A	
Direct voltmetric connection	230-240V		230V	
Frequency	50 - 60Hz		50 - 60Hz	
Auxiliary supply	selfsupplied		selfsupplied	
Pulse output	•		•	
RS485 communication		•		•
Ethernet communication		IF		IF
Dimensions	2 module DIN		2 module DIN	
Sealable housing	•		•	
Technical note	NT765		NT788	
Price				



Model	Conto D4-Pt		Conto D4-Pt MID
Codes	CE4DT1...	CE4DT1...M	CE4DMID01
Ordering codes see page:	09	09	09
Certificate according to MID directive			•
Connection on line	single-phase, 3-phase 3-4 wires, bal. or unbal. load		3-phase 3-4 wires, bal. or unbal. load
Active energy at the terminals side (MID)			class B EN50470
Active energy primary side	class 1 EN62053-21		class B EN50470
Reactive energy primary side	class 2 EN62053-23		class 2 EN62053-23
Resettable partial active energy	•	•	
Resettable partial reactive energy	•	•	
Phase current	•	•	•
Neutral current			•
Phase voltage			•
Linked voltage	•	•	•
Active power	•	•	•
Reactive power	•	•	•
Apparent power	•	•	•
Phase active power			•
Phase reactive power			•
Average power and max value	•	•	•
Frequency			•
Power factor	•		•
Resettable run hour meter			•
Counter	8 digit LCD		8 backlit digit LCD
C.T. ammetric connection	/1A and /5A		/5A
Programmable C.T. ratio	1...9999		1...9999
Direct voltmetric connection	190...440V (phase-phase)		100...480V (phase-phase)
V.T. voltmetric connection	/100V and 110V		/100V and 110V
Programmable V.T. ratio	1...500,0		1...500,0
V.T. ratio x C.T. ratio	<=1000000 (TA/5A) <=5000000 (C.T./1A)		<=1000000
Frequency	50 - 60Hz		50 - 60Hz
Auxiliary supply	selfsupplied		230Va.c.
Pulse output	•	•	•
RS485 communication	•	•	•
M-Bus communication			•
Ethernet communication	IF	IF	IF
Dimensions	4 module DIN		4 module DIN
Sealable housing	•	•	•
Technical note	NT672	NT744	NT742
Price			



Model	Conto D4-Pd		Conto D4-Pd MID	
	CE4DT06...	CE4DT06...M	CE4DMID32	CE4DMID31
Codes				
Ordering codes see page:	09	09	09	09
Certificate according to MID directive			•	•
Connection on line	3-phase 3-4 wires, unbalanced load		3-phase 4 wires, unbalanced load	
Active energy	class 1 EN62053-21		class B EN50470	
Reactive energy	class 2 EN62053-23		class 2 EN62053-23	
Total active energy	♦	♦		•
Total reactive energy	♦	♦		•
Resettable partial active energy	♦♦	♦♦		
Resettable partial reactive energy	♦♦	♦♦		
Phase current	•	•		•
Neutral current				•
Phase voltage				•
Linked voltage	•	•		•
Active power	•	•		•
Reactive power	•	•		•
Apparent power	•	•		•
Phase active power				•
Phase reactive power				•
Average power and max value	•	•		•
Frequency	•	•		•
Power factor	•	•		•
Resettable run hour meter				•
Counter	8 digit LCD		8 backlit digit LCD	
Direct ammetric connection	10(63)A		10(63)A	
Direct voltmetric connection	190...440V (phase-phase)		190...480V (phase-phase)	
Frequency	50 - 60Hz		50 - 60Hz	
Auxiliary supply	selfsupplied		selfsupplied	
Pulse output	•		•	
RS485 communication	•			•
M-Bus communication		•		
Ethernet communication		IF		IF
Dimensions	4 module DIN		4 module DIN	
Sealable housing	•	•	•	•
Technical note	NT669	NT756	NT789	
Price				

♦/♦♦ Double tariff function as alternative to measuring of total and partial energy. It can be selected during programming.



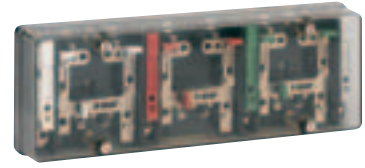
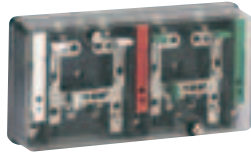
Model	Conto 72-Pt	Conto 96-Pt
Codes	CE72T...	CE96T...
Ordering codes see page:	09	10
Connection on line	single-phase, 3-phase 3-4 wires, balanced or unbalanced load	single-phase, 3-phase 3-4 wires, balanced or unbalanced load
Resettable partial active energy	•	•
Resettable partial reactive energy	•	•
Phase current	•	•
Linked voltage	•	•
Active power	•	•
Reactive power	•	•
Apparent power	•	•
Average power and max value	•	•
Frequency	•	•
Power factor	•	•
Active energy	class 1 EN62053-21	class 1 EN62053-21
Reactive energy	class 2 EN62053-23	class 2 EN62053-23
Counter	8 digit LCD	8 digit LCD
C.T. ammetric connection	/1A - /5A	/1A - /5A
Programmable C.T. ratio	1...9999	1...9999
Direct voltmetric connection	190...440V (phase-phase)	190...440V (phase-phase)
V.T. voltmetric connection	/100V - /110V	/100V - /110V
Programmable V.T. ratio	1...1500,0	1...1500,0
V.T. ratio x C.T. ratio	$\leq 1000000$ (TA/5A) $\leq 5000000$ (TA/1A)	$\leq 1000000$ (TA/5A) $\leq 5000000$ (TA/1A)
Frequency	50 - 60Hz	50 - 60Hz
Auxiliary supply	selfsupplied	selfsupplied
Pulse output	•	•
RS485 communication	•	•
Ethernet communication	IF	IF
Dimensions	72x72x70mm	96x96x92mm
Technical note	NT697	NT698
Price		



Model	SL7000		
Codes	CESL75400	CESL75100	CESL71100
Ordering codes see page:	10	10	10
Connection on line	3-phase 3-4 wires, unbalanced load		
Bidirectional active energy (MID)	class C EN50470-3		
Bidirectional reactive energy	class 2 IEC62053-23		
Multitariff	•	•	•
Setup for transmission of recorded data	•	•	•
C.T. ammetric connection	5A	5A	1A
V.T. voltmetric connection		100V	100V
Direct voltmetric connection	400V		
Frequency	50Hz		
Auxiliary supply	48...240Vd.c. / 57...415Va.c.		
Pulse output	4 outputs (Wh+ /Wh- /varh+ / varh-)		
Communication	infrared EN/IEC 62056-21		
Protocol	EN/IEC 62056-42/46/53/61/62		
Communication	RS232C - RS485		
Protocol	DLMS-Cosem protocol EN/IEC 62056-42/46/53/61/62		
Dimensions	180x358x85mm		
Sealable housing	•	•	•
Technical note		NT816	
Price			

**Note:** SL7000 KWh meters are remote readable and type-approved by Enel and GSE for either low or medium voltage.

ACCESSORIES		
Code	Description	Price
<b>IFMD1SL7</b>	Kt GSM modem composed of 1 GSM modem for SL7000 KWh meter without SIM card, 1 connection cable modem/KWh meter, 1 stylus antenna, 1 accessory for rail DIN 35 mounting, 1 100...240a.c. switching plug power supply	•
<b>AVKITSL7</b>	Kit for flush mounting for SL7000 KWh meter	•
<b>SWCESL7</b>	Service program for configuration and reading through PC	•



Model	AV	AV
Codes	AV201	AV202
Ordering codes see page:	10	10
Connection with 3-phase KWh-meter	2 systems	3 systems
Dimensions	170x85mm	245x85mm
Sealable housing	•	•
Price		



<b>Conto D1</b>		Single-phase watt-hour meter			1 module
Ordering code		Input V	Input A	Output	Stock
CE 1 1 1 6 5 A 0		230V	5(32)A	-	•
CE 1 1 1 6 5 A 2		230V	5(32)A	pulses	•

<b>Conto D2-b</b>		Single-phase watt-hour meter			2 module
Ordering code		Input V	Input A	Output	Stock
CE 2 1 1 7 5 A 0		230 + 240V	5(36)A	-	•

<b>Conto D2</b>		Single-phase watt-hour meter			2 module
Ordering code		Input V	Input A	Output	Stock
CE 2 0 1 9 5 A 2		230 + 240V	5(63)A	pulses	•
CE 2 0 1 9 5 A 4		230 + 240V	5(63)A	RS485	•

<b>Conto D2 MID</b>		Single-phase watt-hour meter			2 module
Ordering code		Input V	Input A	Output	Stock
CE 2 DM ID 1 2		230 + 240V	10(63)A	pulses	•
CE 2 DM ID 1 1		230 + 240V	10(63)A	RS485	•

<b>Conto D4-Pt</b>		Single-phase / 3-phase watt and var-hour meter			4 module
Ordering code		Input V	Input A	Output	Stock
CE 4 DT 1 4 A 2		230(400)-240(415)V	1 + 5A	pulses	•
CE 4 DT 1 2 A 2		57,7(100)-63,5(110)V	1 + 5A	pulses	•
CE 4 DT 1 4 A 4		230(400)-240(415)V	1 + 5A	RS485	•
CE 4 DT 1 2 A 4		57,7(100)-63,5(110)V	1 + 5A	RS485	•
CE 4 DT 1 4 A 6		230(400)-240(415)V	1 + 5A	pulses + RS485	•
CE 4 DT 1 2 A 6		57,7(100)-63,5(110)V	1 + 5A	pulses + RS485	•
CE 4 DT 1 4 AM		230(400)-240(415)V	1 + 5A	pulses + M-Bus	•
CE 4 DT 1 2 AM		57,7(100)-63,5(110)V	1 + 5A	pulses + M-Bus	•

<b>Conto D4-Pt MID</b>		3-phase watt and var-hour meter			4 module
Ordering code		Input V	Input A	Output	Stock
CE 4 DM ID 0 1		57,7(100)...278(480)V	5A	pulses + RS485	•

<b>Conto D4-Pd</b>		3-phase watt and var-hour meter			4 module
Ordering code		Input V	Input A	Output	Stock
CE 4 DT 0 6 A 2		230(400)-240(415)V	10(63)A	pulses	•
CE 4 DT 0 6 A 4		230(400)-240(415)V	10(63)A	RS485	•
CE 4 DT 0 6 AM		230(400)-240(415)V	10(63)A	M-Bus	•

<b>Conto D4-Pd MID</b>		3-phase watt and var-hour meter			4 module
Ordering code		Input V	Input A	Output	Stock
CE 4 DM ID 3 2		190(328)...277(480)V	10(63)A	pulses	•
CE 4 DM ID 3 1		190(328)...277(480)V	10(63)A	RS485	•

<b>Conto 72-Pt</b>		Single-phase / 3-phase watt and var-hour meter			72x72mm
Ordering code		Input V	Input A	Output	Stock
CE 7 2 T 1 4 A 2		230(400)-240(415)V	1 + 5A	pulses	•
CE 7 2 T 1 2 A 2		57,7(100)-63,5(110)V	1 + 5A	pulses	•
CE 7 2 T 1 4 A 4		230(400)-240(415)V	1 + 5A	RS485	•
CE 7 2 T 1 2 A 4		57,7(100)-63,5(110)V	1 + 5A	RS485	•

**Conto 96-Pt****Single-phase / 3-phase watt and var-hour meter**

96x96mm

Ordering code	Input V	Input A	Output	Stock
CE96T14A2	230(400)-240(415)V	1 + 5A	pulses	•
CE96T12A2	57,7(100)-63,5(110)V	1 + 5A	pulses	•
CE96T14A4	230(400)-240(415)V	1 + 5A	RS485	
CE96T12A4	57,7(100)-63,5(110)V	1 + 5A	RS485	

**SL7000****Bidirectional 3-phase watt and var-hour meter**

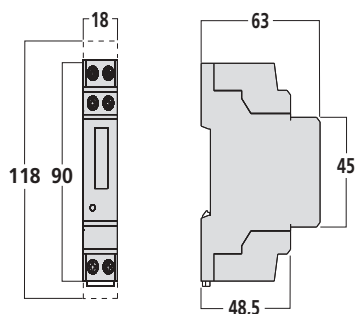
180x358mm

Ordering code	Input V	Input A	Stock
CESL75400	400V	5A	
CESL75100	100V	5A	
CESL71100	100V	1A	

**AV2****Protected terminals for KWh-meter**

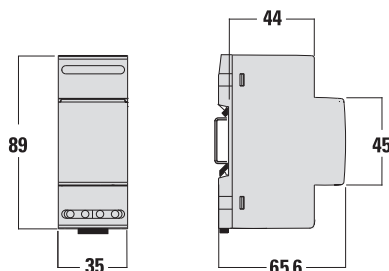
Ordering code	Description	Stock
AV201	Terminal box for KWh-meter 3-phase 2 systems	•
AV202	Terminal box for KWh-meter 3-phase 3 systems	•

**Conto D1**



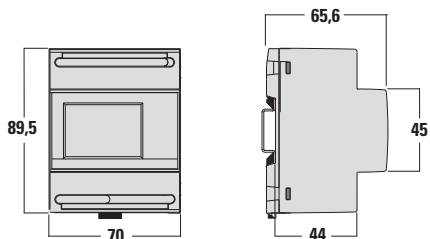
1 Modulus

**Conto D2 / D2-b / D2 MID**



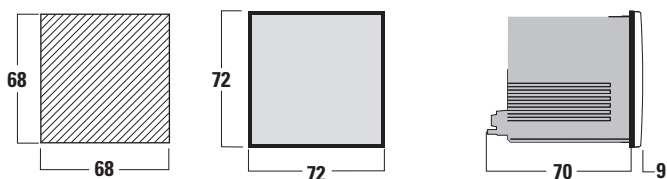
2 Module

**Conto D4-Pt / D4-Pd / D4-Pt MID / D4-Pd MID**



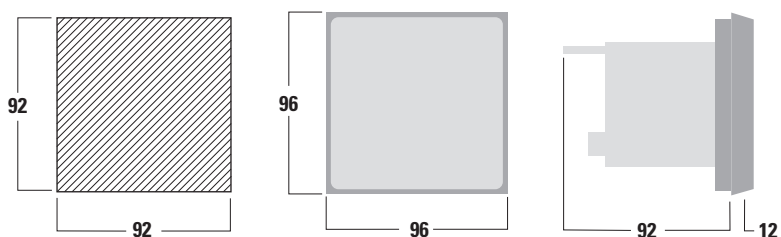
4 Module

**Conto 72-Pt**



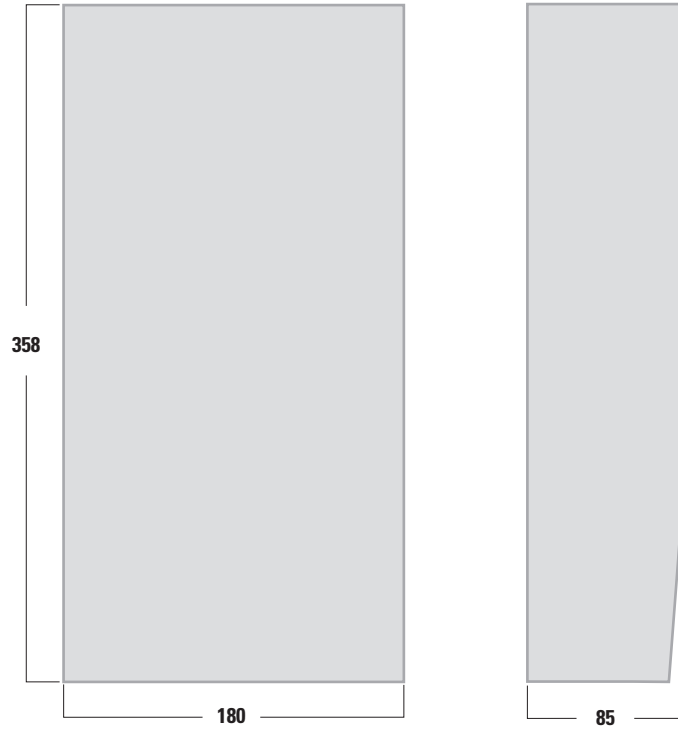
72 x 72 flush mounting

**Conto 96-Pt**



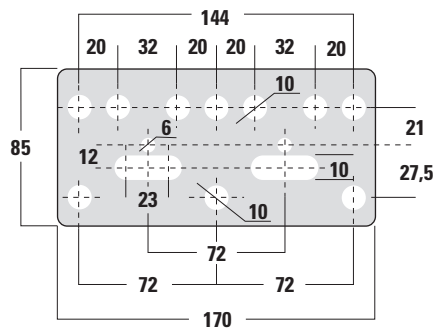
96 x 96 flush mounting

## SL7000



180 x 358 x 85 wall mounting

## AV201



## AV202

