

Techinical data

General characteristics		AD3-S0M		AD3-SM	
Data in compliance with EN 50470-1, EN 50470-3, EN 62053-31		AD3-S0M		AD3-SM	
Housing	DIN 43880	DIN	4 modules	4 modules	4 modules
Mounting	EN 60715	35 mm	DIN rail	DIN rail	DIN rail
Depth		mm	70	70	70
Operating features	to three-phase network	"wires	4	4	4
• Commeciatiy	Storage of energy values and configuration	digital display (EPPROM)	-	Yes	Yes
• Supply	• Display tariffs independent for active energy	n° 2	T1 and T2	T1 and T2	T1 and T2
• Rated control voltage Un	V.A.C.	230	230	184 ... 276	184 ... 276
• Voltage Un	continuous; phase/phase	V	480	480	480
• Current Imax	1 second; phase/N	V	800	800	800
• Display type	continuous; phase/N	V	276	276	276
• Display (readouts)	• Connecttion errors and phase out	discernible from phase-sequence indic.	-	PHASE Err	PHASE Err
• Voltlage Un	continuous; phase/phase	V	480	480	480
• Current Imax	1 second; phase/N	V	800	800	800
• Display type	continuous; phase/N	V	276	276	276
• Display (readouts)	• Connecttion errors and phase out	discernible from phase-sequence indic.	-	PHASE Err	PHASE Err
• Active energy: 1 display, 9 digit	digit dimensions	mm x mm	6.00 x 3	6.00 x 3	6.00 x 3
• Active energy: 1 display, 9 digit	2 tariffs	mm x mm	6.00 x 3	6.00 x 3	6.00 x 3
• Instantaneous tariff measurement	1 display 1-digit	KWh	0.01	0.01	0.01
• Transformer current	transformer connection (CT)	A	-	5 ... 10000	0.003 ... 6
• Frequency	smallest input step adju.s.	A	-	5	5
• Current Im	smallest input step adju.s. in 5 A steps	A	-	5	5
• Operating range voltage	direct connection CT	A	0.015 ... 80	0.05	0.05
• Operating range current	transformer connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Quantity pulse output	depending on the transf. factor:	imP/kWh	-	Yes	Yes
• Pulse duration	for direct connection G0 A	imP/kWh	500	-	-
• Required voltage	min. ... max.	ms	30 ± 2 ms	100 ... 10 ... 1	100 ... 10 ... 1
• Permissible current	max. ... max.	V.A.C. (d.c.)	5 ... 230 VAC/d.c.	5 ... 230 VAC/d.c.	5 ... 230 VAC/d.c.
• Permissible current	pulses ON (max. 230 VAC/d.c.)	mA	90	90	90
• Pulse output	pulse OFF (leak. cur. max. 230 VAC/d.c.)	mA	1	1	1
• Starting current for energy measurement (Is)	mA	50	50	50	50
• Pulse output So	acc. to EN 62053-31	mA	15	3	3
• Quantify pulse output	for activation energy import (absorbed →) and export (supplied →) and for active energy import (absorbed →) and export (supplied →) T1 and T2	-	-	-	-
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Transformer current	primary current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Frequency	smallest input step adju.s.	A	-	5	5
• Current Im	smallest input step adju.s. in 5 A steps	A	-	5	5
• Operating range voltage	direct connection CT	A	0.015 ... 80	0.05	0.05
• Current Im	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
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• Transformer current	smallest input step adju.s.	A	-	5	5
• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
• Pulse output	for direct connection G0 A	imP/kWh	500	-	-
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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• Frequency	principle current of the transformer	A	-	5 ... 10000	0.003 ... 6
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• Pulse duration	depending on the transf. factor:	imP/kWh	500	-	-
• Quantity pulse output	for direct connection G0 A	imP/kWh	-	Yes	Yes
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