SIEMENS

Data sheet 7KT1542

E counter with LC display, 3-phase, CT/5A, 2xS0, 2 tariffs, Transformer connection calibrated according to MID data transmission function

Model	
Product brand name	SENTRON
Product quality / calibrated	Yes
Type of measured value detection / load profile	No
Type of signal	S0
Design of the electricity meter	Solid-state
Design of the pulse output	Electrical

General technical data	
Energy-related number of pulses	100 1/kVAh
Energy-related number of pulses	
• minimum	1 1/kVAh
• maximum	100 1/kVAh
Type of the power supply network	Four-wire
(accuracy class)	1.2
(measurement accuracy)	class 1 (active energy according to EN 50470-3) ; class 2 (reactive energy according to EN 62053-23)
Rated current of the consumption measurement / with transformer measurement	5A

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Protection class	
Protection class IP	IP50
Electricity	
Electricity meter current type	4-wire measuring transformer meter
Tariff version of the electricity meter	two tariff
Electricity meter energy type	active energy meter/reactive energy meter
Short-term overload current	6 A
Main circuit	
Operating frequency	
• initial value	50 Hz
• Full-scale value	50 Hz
• rated value	50 Hz
Operating voltage	
• rated value	400 V
• between N and L / minimum	184 V
• between N and L / maximum	276 V
Operating current / rated value	5 A
Suitability	
Suitability for use	Import/export
• incremental value acquisition	No
Product details	
Product component	
• electronic pulse generator	No
• pulse output	Yes
Product function	
Product function	
• Backstop	No
• Blocking code	No
• Electricity tariff meter changeover	Yes
Display and operation	
Display version	digital
Communication	
Design of the interface	Other types
Number	
Number of characters that can be displayed	8
Connections	
Electricity meter connection type	measuring transformer connection
Mechanical Design	

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Number of width units	4
(mounting type)	installation
Mounting type / Side-by-side mounting	Yes

Certificates

(certificate of suitability)	Measuring Instruments Directive

General Product Approval	Declaration of Conformity
IMQ	EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KT1542

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/7KT1542

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1542

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

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