

ABB electricity meters

DIN rail mounted

MINI
ODIN
DELTAplus
Serial communication adapter

Industrial^{IT}
enabled™



ABB



Production takes place in Nyköping. The laboratory is certified according to SS-EN/ISO/IEC 17025 (2000).

All our products are certified according to IEC 61268 and IEC 61036.

Highly qualified production and development

You can always benchmark manufacturing facilities and organisational structures. However, it is not that easy to copy human commitment and skill. This might be the reason why our meters carry more approvals than many others.

OUR FACILITY IN NYKÖPING, only one hour south of Stockholm in Sweden, is the centre for the development of our electricity meters. Our laboratory is certified (SS-EN/ISO/IEC 17025), which ensures high quality development and design.

Nyköping is also where we produce all our meters. We think it is an advantage to have the factory very close to the

design department and laboratory as it makes it easier to supervise the production in order to maintain the highest quality.

Most important: All our meters are certified according to IEC 61268 and IEC 61036. This is the best quality guarantee there is. That is why you can always trust the accuracy of an ABB electricity meter.



Product overview

There are three different product lines: MINI, ODIN and DELTAplus. Together they represent hundreds of configurations for different applications thanks to intelligent programming possibilities.

Meters



One element	1 x 230 V		1 x 57 - 288 V
Two element			3 x 100 - 500 V
Three element		3 x 230/400 V	3 x 57 - 288/100 - 500 V
Direct connected	32 A	63 A	80 A
Transformer connected	5 A	5 A	1, 2, 5 A
IEC approval		•	•
Local approvals ie NMI, PTB, SP		•	•
Accuracy class	2	2	1, 2
Active energy	•	•	•
Combined active/reactive energy			•
Instrumentation			•
Tariffs			1, 2 or 4
Pulse output	•	•	•
IR output		•	•
Size in modules	3	6	7
Inbuilt EIB communication			•
Inbuilt LON communication			•
Inbuilt M-Bus communication			•

Serial communication adapter



The ODIN and DELTAplus electricity meters have an IR output for remote reading of their metered data and identity. The M-Bus adapter converts the optical signals to electrical. Two different types of adapters are provided today, one with a two-wire M-Bus connection for an M-Bus loop and another for a RS232 M-Bus connection (for

direct connection to a PC or modem). The adapter will also be designed for other media and protocols.

- DIN-rail mounting
- 2 DIN-modules
- Easy installation
- Two-wire M-Bus or RS232



Easy to install even in demanding environments



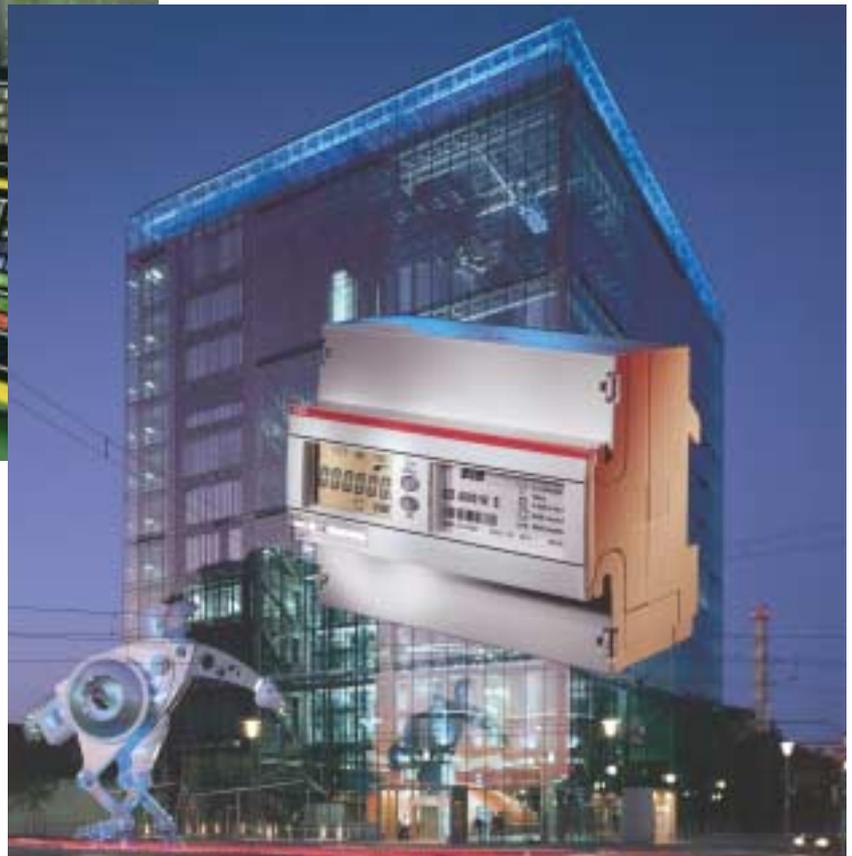
Our terminal marking is known to be very easy to understand. That is one of many examples why ABB electricity meters are uncomplicated to install in all kinds of environments.



INSTALLATION SHOULD BE QUICK and uncomplicated. It is a challenge to keep this promise when the products become more advanced – but it can be done. A good example is our new DELTAplus.

Some of the features are: easy programming, automatic installation check, easier to read display, quick setting of ratios, strong screws in terminal and an instruction leaflet that is easy to read.

Electricity meters are used in many applications. The installation is often done in a demanding environment. A quick and easy installation makes the work more comfortable.



Complete on the rail

System pro M compact® a Plus in all Areas of Application

SYSTEM PRO M COMPACT® – following the successful launch of the modular DIN rail installation system that has been enthusiastically greeted and applied throughout the business community, System Pro M Compact is now fully capable of meeting the most varied applications in intelligent building installations.

The new System pro M compact® is the result of the uncompromising development of the previous System pro M. System pro M compact® offers you various manifold advantages for your

particular project. Among these are:

- ⊕ Easy installation of devices as the most commonly used devices (e.g. line protection and RCDs) have 50% more front-side connection space.
- ⊕ Safe installation guaranteed using protected terminal technology.
- ⊕ Time saved through sophisticated installation technology of the incoming and outgoing connections.



Protect^{IT} Electricity meters

Industrial^{IT} DESCRIBES the ABB group's commitment to bridging the gap between industrial and business assets and the information technology (IT) required to integrate these systems in real time. It encompasses technologies from ABB and its partners for production, fulfilment, asset management and collaboration.

The Industrial IT initiative begins with a robust portfolio of intelligent products for power, automation, and information, each certified and "informa-

tion enabled" to work together. Industrial IT solutions are formed by integrating these technologies within a standard, open architecture for real-time information exchange based on the characteristics of each component. This capability provides easier installation, operation, and asset management, plus collaborative interaction across the value chain.

ABB engineers its Industrial IT solutions based on more than 100 years of experience in serving the utility, process, and manufacturing industries.

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