



Film Capacitors – Power Factor Correction

S0-Impulse Module

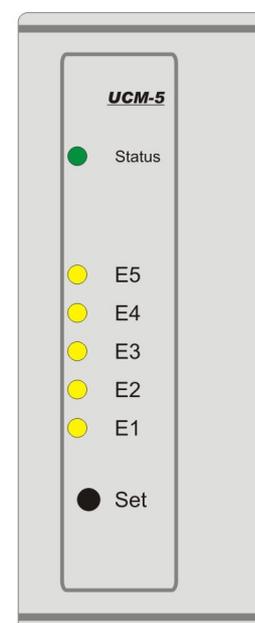
Series/Type: UCM-5
Ordering code: B44066R1411E230
Date: February 2012
Version: 1

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Characteristics

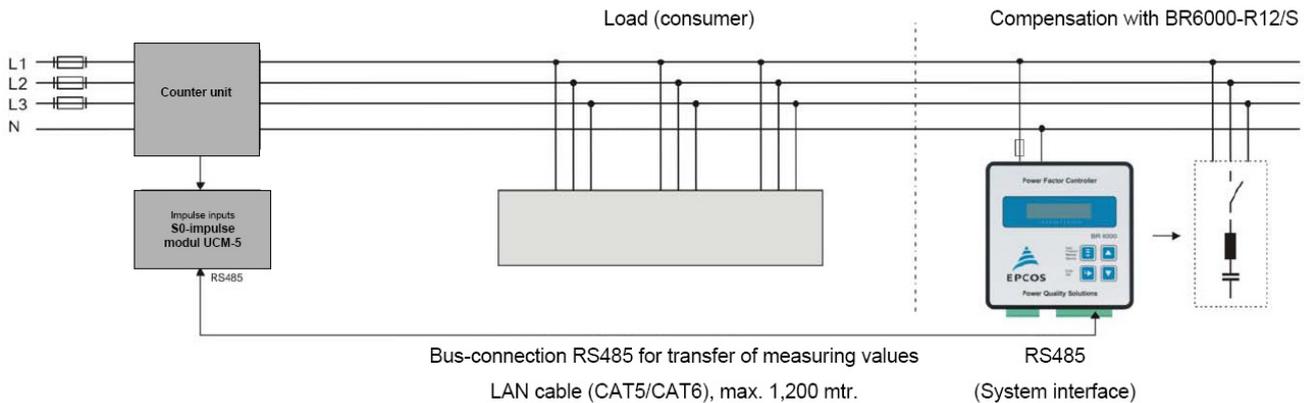
- Bus compatible S0-impulse module for MMI-energy and BR6000/BR7000 for conversion of counter impulses (Q+, Q-, P+, P-, synchronic) on RS485 (MODBUS-RTU protocol)
- Accessory for the processing of counter values in the PF controller (controlling of reactive power related to counter impulses instead of current transformer)
- Allows processing of counter values via Windows-software MMI-energy (included in the delivery): cost centre management, visualization and evaluation
- Cross-linking of up to 32 devices (UCM-5, MMI6000, MMI7000) at MODBUS
- Compact design in plastic casing
- Mounting on DIN-rail possible
- Evaluation software included in the delivery


Technical data and specifications

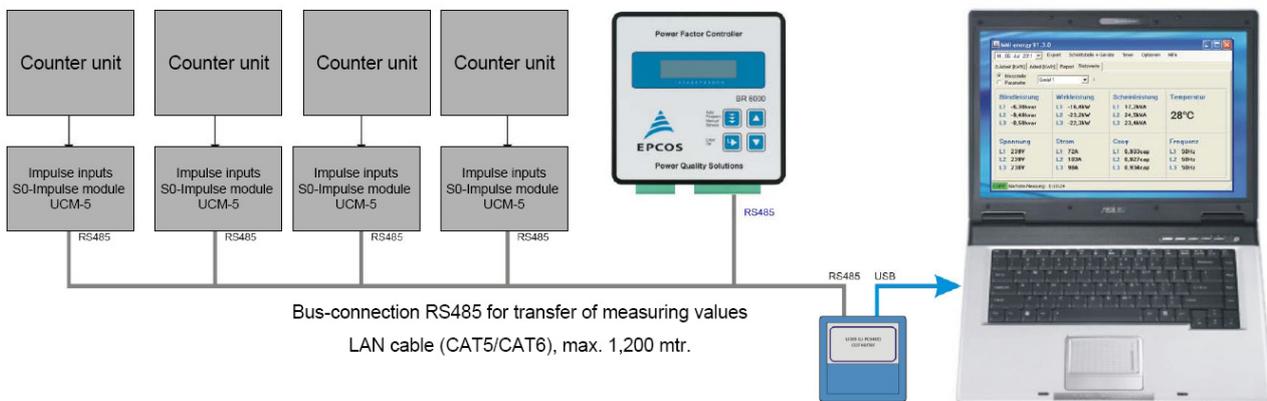
Dimensions	33 x 82 x 126 mm (W x H x D)
Weight	Approx. 0.1 kg
Power supply	24 V DC (18 ... 27 V)
Power consumption	> 1 VA
Inputs (S0-interface) 5 ... 27 V Galvanically separated	5 impulse inputs for P+, P- (consumption active power, delivery) Q+, Q- (reactive power inductive, capacitive) Synchronic impulse
Outputs	Interface RS485 (Modbus-RTU) 4-pole plug connector included in the delivery (via adapter: system interface RS485 possible)
Baud rate	9600, 19200, 38400 Baud (factory setting)
Operation mode cost center management	Readings recorder (counter values), for embedding of up to 32 devices (also MMI6000/MMI7000) in Modbus networks for further processing in software MMI-energy
PF-controller supported during controlling acc. counter impulses	BR6000-R12/S485 (version 5.0 onwards) BR7000
Degree of protection (VDE 0470)	IP20
Content of delivery	Compact device, software-CD
Allowed operation temperature	-10 ... +50 °C

Areas of applications

Recording and evaluation of counter values for processing (via RS485 interface) to PF controller BR6000/BR7000. Target is the controlling of reactive power related to the counter impulses instead of standard controlling related to measured load current via current transformer.

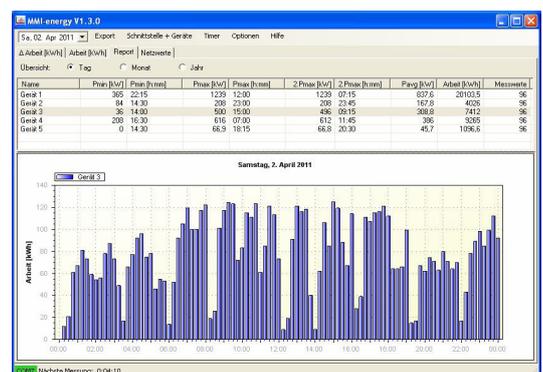


Set-up of a measuring system for recording of different counter values (e.g. for cost centre management). Up to 32 devices can be operated at the bus (MODBUS –RTU), even mixed with other devices as for example MMI6000 or MMI7000. Display and evaluation of measured values is done on PC with the software “MMI-energy” that is included in the delivery.



Evaluation software “MMI-energy” for PC (Windows-compatible, included in the delivery)

- Storage, display and evaluation of power and energy data on PC
- Single user and network solution available
- Graphical and numerical cost centre evaluation
- Supports UCM-5, MMI6000, MMI7000, BR6000, BR7000 at one bus (up to max. 32 devices possible)
- Zoom function, print function
- Parameterization of the UCM-5 included



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