

S0 Supply Module

Reads Kamstrup's electricity meters

24 V supply and pulses are transmitted in the same 2-wire cable

Easy to mount in the electricity meter

Galvanically separated



Application

The S0 module is a combined pulse transmitter and voltage supply.

The module transmits pulses from the electricity meters, supplies Kamstrup's energy meters and tariff units with voltage and pulses, or supplies an electronic/electromechanical counter.

The module is easy to mount in the 6-poled data plug in the module area of Kamstrup's electricity meters, and is supplied directly from the voltage terminal of the meter via the connection cords of the module.

The module transmits pulses from the electricity meter pulse output 2, as "power down", and at the same time a 24 V supply voltage is supplied.

The polarity is not important when supplying Kamstrup energy meters, data loggers or tariff units. However, a special power supply module in the energy meter is necessary to receive both pulses and 24 V in the same 2-wire cable.

The module transmits a given number of pulses/kWh depending on the configuration of the electricity meter. The S0 supply module can supply 10 mA at 24 V on the output.



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Technical data

ELECTRICAL DATA

Supply voltage:	230 VAC ± 10%
Power consumption:	≤ 1.5 VA

PULSE OUTPUT

The pulse output of the electricity meter is configured as follows:

1 pulse/kWh:	60 ms ± 10%
1000 pulses/kWh:	30 ms ± 10%
Voltage/interval:	24 V ± 25% at I = 10 mA
Voltage/pulse:	< 1 V
Connections:	Connection terminals 0.15 mm ² - 1 mm ²

Recommended conductor cross section: ≥ 0.5 mm²

Wire length: Standard 30 m
Twisted pair 200 m

R_{max}/C_{max}: 29 Ω/180 nF

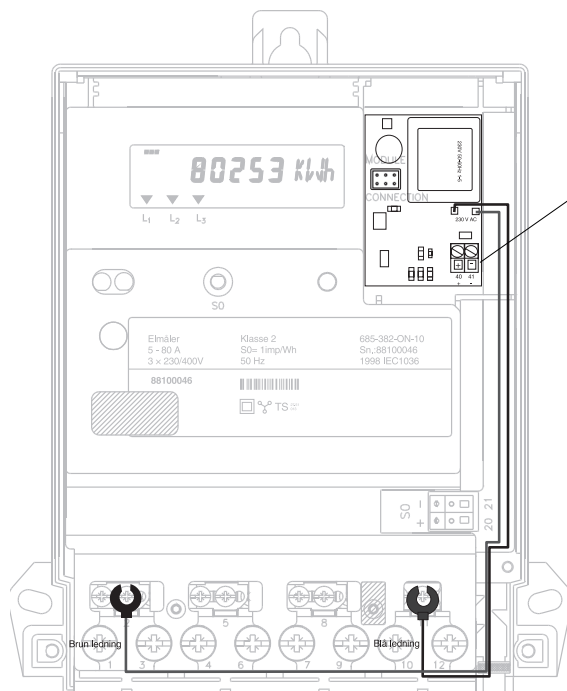
MECHANICAL DATA

Operating temperature:	- 20°C to + 63°C
Storage temperature:	- 25°C to + 70°C
Protective class:	IP51 in electricity meter
Relative humidity:	< 95 % noncondensing
Weight:	Approx. 150 g
Measurements, W × L × H:	42 × 64 × 17 mm

MARKINGS/APPROVALS

CE marking:	Meets the requirements of the electricity meter
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Connection



To be installed in the electricity module area of the meter under the transparent lid

Terminal 40 and 41:
(Pulse output 2)

Pulses and 24 V for MULTITAF/MULTICAL®

Mount the brown wire on terminal 2 and put it at the bottom of the wire groove at the terminal screws.

Mount the blue wire on terminal 11.

Order specification

Description	Type no.
S0 supply module	68-50-001
24 V supply module, MULTICAL® III	66-005-001-00