

Direct current meter
direct / indirect

MK-DC

Electronic energy meter of direct current
for DIN rail mounting



Description

Electronic energy meter of direct current for DIN rails.

Other features include:

Features

Power supply circuit	115 Vac or 230 Vac (-10...+10%) (*)
Consumption	4 V·A
Frequency	40..0.70 Hz
Metering circuit	
Nominal voltage	5 ... 800 V
Consumption	0.6 V·A
Nominal current	30 A or .../60 mV
Maximum meter value	999,999 kW·h
Class	
Voltage accuracy	±0.5 % FS ±1 digit
Current accuracy	±0.5 % FS ±1 digit
Power accuracy	±1 % FS ±1 digit
Output transistor	Optoinsulated (collector open) NPN
Maximum switching voltage	35 V
Maximum switching current	50 mA
Maximum Impulse frequency	2 Hz
Duration of the Impulse	240 ms
Insulation	500 Vdc (10 ¹⁰ Ω)
Ambient conditions	
Operating temperature	0 ... +65 °C
Build features	
Type of box	Self-extinguishing ABS plastic
Degree of protection	Fitted unit (frontal): IP 54
Dimensions	30 x 85 x 63.8 mm
Weight	170 g
Standards	
IEC 1010, IEC 384, IEC 664, EN 50081-1, EN 50082-1, IEC/EN 62053-31	

(*) Other auxiliary power supply options:
9 ... 18 Vdc / 18 ... 36 Vdc / 36 ... 72 Vdc

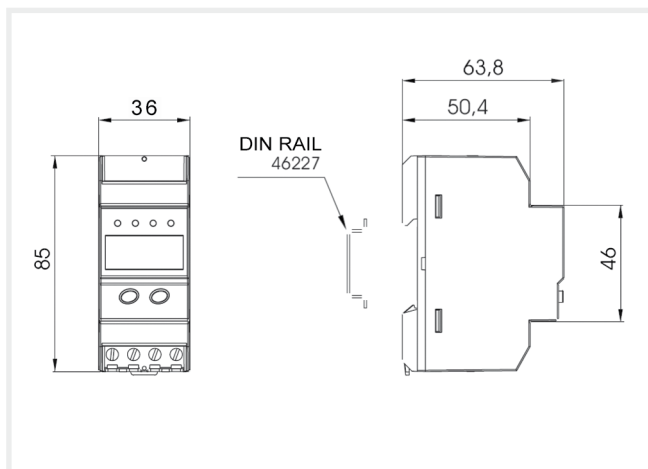
Application

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Dimensions



References

Parameters measured	Input range	Digital output	DIN Modules	Type	Code
V, A, kW, kW-h	0.5 ... 30 A	1	2	MK-30-DC	M30300
V, A, kW, kW-h	1 ... 60 mV	1	2	MK-SH DC	M30400

Connections

