

Enclosed multi-point metering solution

DIRIS DigiBOX M

Enclosed multi-point metering solution for retrofit applications



DIRIS DigiBOX 8
Centralization and display of data



Function

Socomec's enclosed metering line **DIRIS DigiBOX** is designed to offer a complete and modular metering solution in NEMA1,3R enclosures for indoor and outdoor use. With ease of installation for retrofit applications and factory pre-wired Plug & Play technology, DIRIS DigiBOX solutions provide considerable savings in installation costs. The solution offers the benefits of the Digiware technology.

Advantages

Plug & Play

- Factory pre-wired.
- RJ12 current sensor connection.
- Automatic detection of ratings and verification of current flow direction.
- Disconnection of the current sensor secondary under load.

Accurate

Accuracy of measurements guaranteed according to ANSI C12.20 and IEC standard 61557-12:

- Better than revenue grade: class 0.5 from 2 % to 120 % of rated current for the global measurement chain (associated with TE / TF current sensors).
- Class 0.2 for the meter alone.

Safe & reliable

- Durable NEMA 1,3R.
- cULus listed enclosures and components.
- Fused voltage connections.
- Reliable detailed wiring instructions.

Bi-Directional Metering

DIRIS Digiware measures the flow of electricity in both directions.

The solution for

- > Industry
- > Building
- > Infrastructure
- > Data center



Strong points

- > Plug & Play
- > Accurate
- > Safe & reliable

Conformity to standards

- > cULus 508A
- > UL 61010-1, CSA-C22.2 No. 61010-1, Guide PICQ, File E257746
- > IEC 61557-12



Specifications

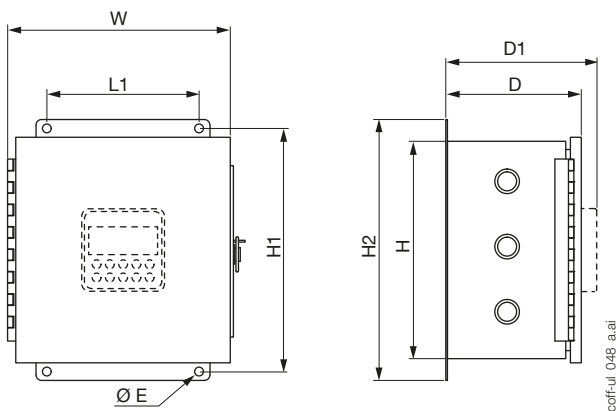
	DigiBOX				DigiBOX Pro				DigiBOX Flex	
	2	4	6	8	2	4	6	8		
Number of metered points	2	4	6	8	2	4	6	8	Customized solution	
Number of current inputs	8	12	18	24	8	12	18	24		
Metering modules	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware	DIRIS Digiware		
Multi-measurement										
Currents, voltages (ph/ph and ph/n), active/reactive/apparent powers, power factor, frequency	•	•	•	•	•	•	•	•		
Voltage/current unbalance					•	•	•	•		
Power factor, cos Phi, tan Phi					•	•	•	•		
Metering										
kWh(+/-), kvarh (+/-), kVAh	•	•	•	•	•	•	•	•		
Multi-tariff	•				•	•	•	•		
Load curves					•	•	•	•		
Power Quality										
THDV, THDU, THDI	•				•	•	•	•		
Individual harmonics V, U & I (up to rank 63)					•	•	•	•		
Voltage dips, cut-offs and surges (EN50160)					•	•	•	•		
Overcurrents					•	•	•	•		
Alarms					•	•	•	•		
Communication	RS485/Ethernet									
Enclosure rating	NEMA 1/3R									
Display & gateway	Optional									
Dimensions										
H x W x D (inches)	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6	12 x 12 x 6.6		
References										
No display	USDBB02ND0	USDBB04ND0	USDBB06ND0	USDBB08ND0	USDBP02ND0	USDBP04ND0	USDBP06ND0	USDBP08ND0		
With display	USDBB02D50	USDBB04D50	USDBB06D50	USDBB08D50	USDBP02D50	USDBP04D50	USDBP06D50	USDBP08D50		
Display & gateway	USDBB02D70	USDBB04D70	USDBB06D70	USDBB08D70	USDBP02D70	USDBP04D70	USDBP06D70	USDBP08D70		
Customized metering and communication solution	Made to order - contact us									

600V rated available, please call.

DigiBOX accessory enclosures

Description	Reference
12 x 12 x 6.6 - NEMA 3R - Enclosure only with back-plate and 2 DIN rails	USDBENC-001
12 x 10 x 6.2 - NEMA 3R - Polycarbonate Enclosure with display cutout	USDBENC-003

Dimensions (in)



	H	H1	H2	D	D1	L1	W	Ø E
DigiBOX and DigiBOX Pro 2, 4, 6 & 8 with display	12	13.5	14.6	6.6	-	3	12	0.25
DigiBOX and DigiBOX Pro 2, 4, 6 & 8 without display	12	13.5	14.6	6.6	7	3	12	0.25