48290111

Socomec Digiware I-31 1x 3PH or 3x 1PH Energy Meter with Load Curves

MODULAR ENERGY MONITORING AND CONNECTIVITY

Component type	Multifunction measuring instrument
Range	Digiware I
Model	N/A
Product status	New Item

The Digiware I modules are advanced single-DIN metering devices with RJ-12 CTs that offer energy metering, power monitoring, and power quality analysis for single or three-phase devices.

ELECTRICAL

Pole type	Three conductor/four conductor
Voltmeter	No
Ampere meter	Yes
Pulse counter	No
Frequency meter	No
Effective power measurement device	Yes
Accuracy class active energy according to IEC 62053-22	Other
Accuracy class reactive energy according to IEC 62053-23	Other
Voltage type of supply voltage	DC
Supply voltage DC	24-24 V
Sampling frequency	10000 Hz
Ethernet-connections	0
With audit logging (audit log)	No
Number of current measurement inputs	3
Blind power meter	Yes
Number of voltage measurement inputs	0

COMMUNICATION

Supporting protocol for other bus systems	No
Supporting protocol for Modbus	Yes
Supporting protocol for BACnet	No
Web server with HTTPS transfer protocol	No
Supporting protocol for IEC 61850 Ethernet	No
Supporting protocol for OPC UA PubSub	No
Supporting protocol for PROFIBUS	No
Supporting protocol for PROFINET IO	No
With firmware signature	Yes

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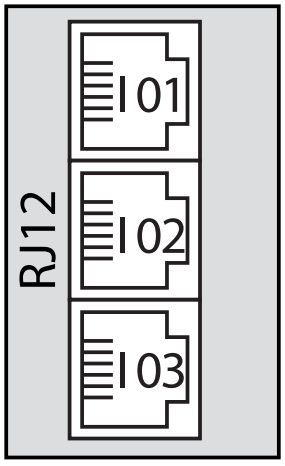
MODULAR ENERGY MONITORING AND CONNECTIVITY

COMMUNICATION	With logging of security events (security event log)	Yes
	With Role Based Access Control (RBAC)	No
CONSTRUCTION	Model	Measurement transformer
	Number of analogue inputs	0
	Number of analogue outputs	0
	Number of digital inputs	0
	Number of digital outputs	0
	Mounting method	DIN rail
	Degree of protection (IP), front side	IP20
MECHANICAL	Display	None
	Remote display	No
	Connection system	Screwed terminal
	With rotational speed meter	No
DIMENSIONS	Depth	65 mm
	Width	18 mm
	Height	90 mm
ENVIRONMENT	Operating temperature	-10-70
	Storage temperature	-25…70 °C

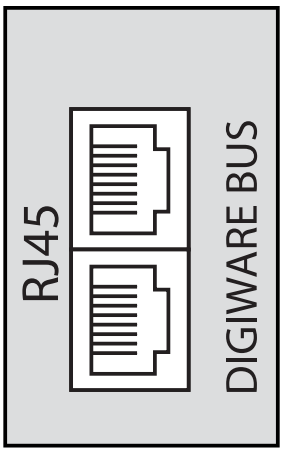
ELECTRICAL CONNECTION DIAGRAM

DIRIS Digiware I-3x

Current measurement (**)



Digiware BUS



(**) Always connect input I01 first.

RELATED PRODUCTS

ACCESSORY

Item No: 48290180
Required: No
Description: Socomec RJ45 Bus Terminating Resistor for Comms and Power

Item No: 48290181
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 0.1m

Item No: 48290182
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 0.5m

Item No: 48290183
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 1m

Item No: 48290184
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 2m

Item No: 48290186
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 5m

Item No: 48290187
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 10m

Item No: 48290188
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 0.2m

Item No: 48290189
Required: No
Description: Socomec Digiware RJ45 Comms and Power Cable 0.06m

Item No: 48290190
Required: No
Description: Socomec Digiware Connector RJ45 Comms and Power Cable 3m

Item No: 48290501
Required: No
Description: Socomec TE-18 Solid Core CT 25-63A 8.4mm Holes 18mm Centres for Digiware and DIRIS A-xx

Item No: 48290502
Required: No
Description: Socomec TE-25 Solid Core CT 40-160A 13.5 x 13.5mm Holes 25mm Centres for Digiware and DIRIS A-xx

Item No: 48290503
Required: No
Description: Socomec TE-35 Solid Core CT 63-250A 21 x 21mm Holes 35mm Centres for Digiware and DIRIS A-xx

Item No: 48290504
Required: No
Description: Socomec TE-45 Solid Core CT 160-630A 31 x 31mm Holes 45mm Centres for Digiware and DIRIS A-xx

Item No: 48290505
Required: No
Description: Socomec TE-55 Solid Core CT 400-1000A 41 x 41mm Holes 55mm Centres for Digiware and DIRIS A-xx

Item No: 48290506
Required: No
Description: Socomec TE-90 Solid Core CT 600-2000A 64 x 64mm Holes 90mm Centres for Digiware and DIRIS A-xx

Item No: 48290555
Required: No
Description: Socomec TR-10 Split Core CT 25-63A 10mm Diameter for Digiware and DIRIS A-xx

RELATED PRODUCTS

ACCESSORY

Item No: 48290556
Required: No
Description: Socomec TR-14 Split Core CT 63-160A 14 x 15mm for Digiware and DIRIS A-xx

Item No: 48290557
Required: No
Description: Socomec TR-21 Split Core CT 63-250A 21 x 23mm for Digiware and DIRIS A-xx

Item No: 48290558
Required: No
Description: Socomec TR-32 Split Core CT 160-600A 32 x 33mm for Digiware and DIRIS A-xx

Item No: 48290573
Required: No
Description: Socomec TF-40 Rogowski Coil CT 100-400A 40mm Diameter for Digiware and DIRIS A-xx

Item No: 48290574
Required: No
Description: Socomec TF-80 Rogowski Coil CT 150-600A 80mm Diameter for Digiware and DIRIS A-xx

Item No: 48290575
Required: No
Description: Socomec TF-120 Rogowski Coil CT 400-2000A 120mm Diameter for Digiware and DIRIS A-xx

Item No: 48290576
Required: No
Description: Socomec TF-200 Rogowski Coil CT 600-4000A 200mm Diameter for Digiware and DIRIS A-xx

Item No: 48290577
Required: No
Description: Socomec TF-300 Rogowski Coil CT 1600-6000A 300mm Diameter for Digiware and DIRIS A-xx

Item No: 48290578
Required: No
Description: Socomec TF-600 Rogowski Coil CT 1600-6000A 600mm Diameter for Digiware and DIRIS A-xx

Item No: 48290580
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.1m

Item No: 48290581
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.2m

Item No: 48290582
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.3m

Item No: 48290583
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 1m

Item No: 48290584
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 2m

Item No: 48290588
Required: No
Description: Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx 1m

Item No: 48290589
Required: No
Description: Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx 2m

Item No: 48290590
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.1m

RELATED PRODUCTS

ACCESSORY

Item No: 48290591
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.2m

Item No: 48290592
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 0.3m

Item No: 48290593
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 1m

Item No: 48290594
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx 2m

Item No: 48290595
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 0.5m

Item No: 48290596
Required: No
Description: Socomec RJ12 x 4 CT to Meter Cable for Digiware and DIRIS A-xx Cable 0.5m

Item No: 48290597
Required: No
Description: Socomec RJ12 x 6 CT to Meter Cable for Digiware and DIRIS A-xx Cable 0.5m

Item No: 48290599
Required: No
Description: Socomec Adapter Standard CT To RJ12 Plug for Digiware and DIRIS A-xx

Item No: 48290602
Required: No
Description: Socomec RJ12 x 1 CT to Meter Cable 600V for Digiware and DIRIS A-xx 5m

Item No: 48290603
Required: No
Description: Socomec RJ12 x 1 CT to Meter Cable for Digiware and DIRIS A-xx 10m

Item No: 48290605
Required: No
Description: Socomec Digiware withdraw Connector Comms and Power Cable (Qty 10)

Item No: 48290606
Required: No
Description: Socomec RJ12 x 3 CT to Meter Cable for Digiware and DIRIS A-xx 3m

Item No: 48290655
Required: No
Description: Socomec iTR-10 Smart Split Core CT 25-63A 10mm Diameter for Digiware and DIRIS A-xx

Item No: 48290656
Required: No
Description: Socomec iTR-14 Smart Split Core CT 40-160A 14mm Diameter for Digiware and DIRIS A-xx

Item No: 48290657
Required: No
Description: Socomec iTR-21 Smart Split Core CT 63-250A 32mm Diameter for Digiware and DIRIS A-xx

Item No: 48290658
Required: No
Description: Socomec iTR-32 Smart Split Core CT 160-600A 32mm Diameter for Digiware and DIRIS A-xx

Item No: 48290670
Required: No
Description: Socomec RJ12 x 3 Female to Female Connectors Extension for TF CTs