

# 48250604

Socomec DIRIS A-200 Quick Connect Power Quality Meter  
RS485 Dual Ethernet



|                |                                    |
|----------------|------------------------------------|
| Component type | Multifunction measuring instrument |
| Range          | DIRIS A-200                        |
| Model          | N/A                                |
| Product status | New Item                           |

The DIRIS A-200 is a versatile feature-rich power quality meter with quick connect R12 CTs. It offers a wide range of power quality analysis functionalities such as waveform capture, time of use calendar, voltage interruptions, harmonic monitoring and tariff management. The A-200 also has multiple native communication points allowing for the data to be used by more than one EMS, BMS or SCADA.

## ELECTRICAL

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| Pole type                                                | Three conductor/four conductor |
| Voltmeter                                                | Yes                            |
| Pulse counter                                            | No                             |
| Effective power measurement device                       | Yes                            |
| Accuracy class active energy according to IEC 62053-22   | 0.1S                           |
| Accuracy class reactive energy according to IEC 62053-23 | Other                          |
| Voltage type of supply voltage                           | AC                             |
| Sampling frequency                                       | 9600 Hz                        |
| Ethernet-connections                                     | 2                              |
| Number of current measurement inputs                     | 4                              |
| Display resolution (horizontal)                          | 350 px                         |
| Display resolution (vertical)                            | 160 px                         |
| Number of voltage measurement inputs                     | 4                              |

## COMMUNICATION

|                                                      |     |
|------------------------------------------------------|-----|
| Supporting protocol for other bus systems            | Yes |
| Supporting protocol for Modbus                       | Yes |
| Supporting protocol for BACnet                       | Yes |
| Web server with HTTPS transfer protocol              | Yes |
| 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 |
| With logging of security events (security event log) | Yes |

## CONSTRUCTION

|       |                         |
|-------|-------------------------|
| Model | Measurement transformer |
|-------|-------------------------|

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|                     |                                       |                |
|---------------------|---------------------------------------|----------------|
| <b>CONSTRUCTION</b> | Number of analogue inputs             | 0              |
|                     | Number of analogue outputs            | 0              |
|                     | Number of digital inputs              | 3              |
|                     | Number of digital outputs             | 1              |
|                     | Mounting method                       | Front mounting |
|                     | Degree of protection (IP), front side | Other          |
| <b>MECHANICAL</b>   | Display                               | Graphic        |
|                     | Remote display                        | No             |
| <b>DIMENSIONS</b>   | Depth                                 | 108 mm         |
|                     | Width                                 | 98.5 mm        |
|                     | Height                                | 98.5 mm        |
| <b>ENVIRONMENT</b>  | Operating temperature                 | -25-70         |
|                     | Storage temperature                   | -40...85 °C    |

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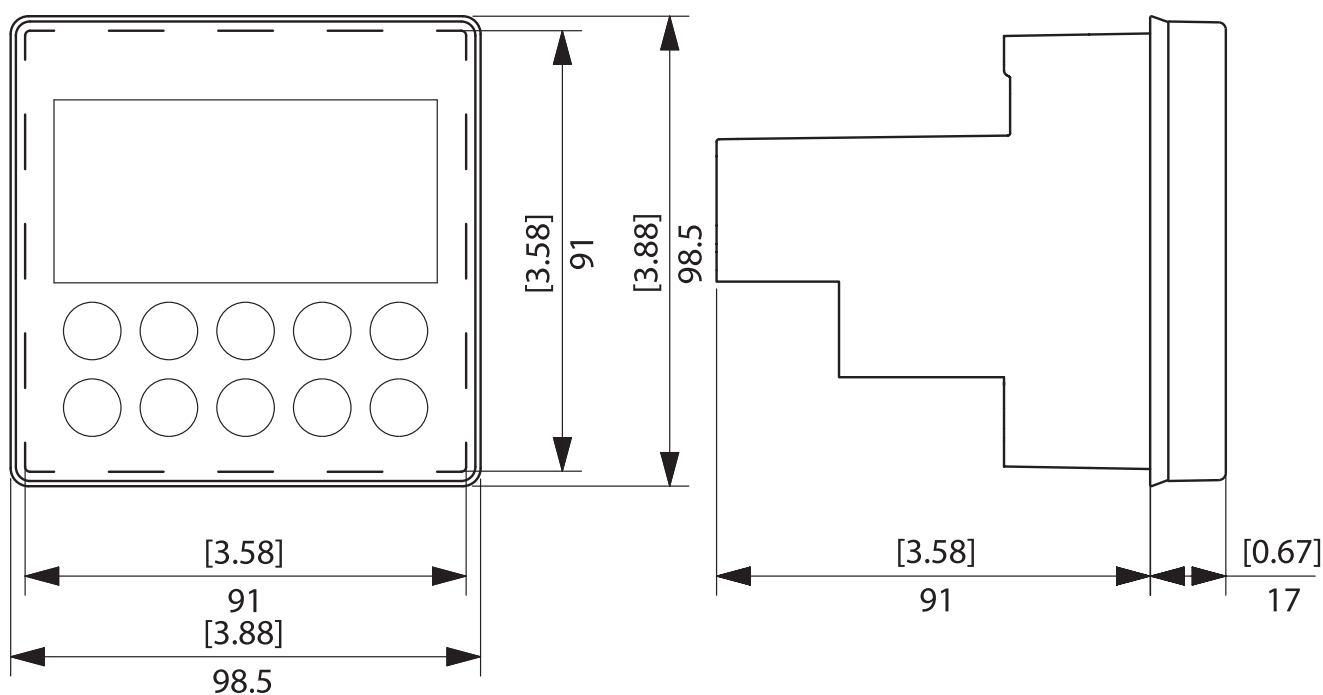


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## DIMENSIONAL DIAGRAM

### 2 Dimensions [in]/mm and mounting



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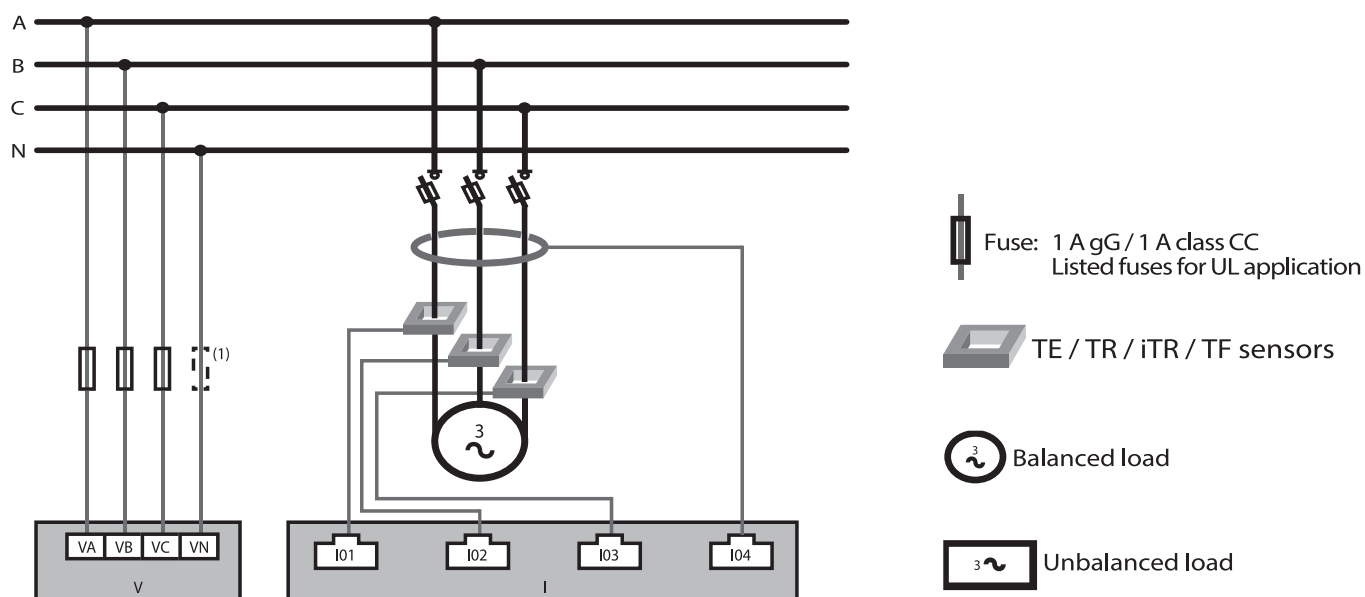
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## ELECTRICAL CONNECTION DIAGRAM



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## RELATED PRODUCTS

### ACCESSORY



**Item No:** 4829050020A

**Required:** No

**Description:** Socomec TE-18 Solid Core CT 5-20A 8.4mm Holes 18mm Centres for Digiware and Diris A-xx

**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



**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



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## RELATED PRODUCTS

### ACCESSORY



**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



**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

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** 48290603

**Required:** No

**Description:** Socomec RJ12 x 1 CT to Meter Cable for Digiware and DIRIS A-xx 10m



**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