

48250500

Socomec DIRIS A-40 Quick Connect Multifunction Meter RS485 3I 2O



| | |
|-----------------------|----------------------------|
| Component type | Multifunction energy meter |
| Range | DIRIS A-40 |
| Model | N/A |
| Product status | Existing |

The DIRIS A-40 is a panel-mounted multifunction meter designed for quick connection. It measures, monitors, and reports electrical energy with advanced features like load analysis graphs and virtual monitoring for breaker status. It supports both single-phase and three-phase load analysis.

ELECTRICAL

| | |
|--|--------------------------------|
| Number of digital inputs | 3 |
| Number of digital outputs | 0 |
| Sampling frequency | 10 Hz |
| Supply voltage DC | 120-120 V |
| Power consumption | 5 W |
| Pulse counter | Yes |
| Self-powered | No |
| Pole type | Three conductor/four conductor |
| Accuracy class active energy according to IEC 62053-22 | 0.2S |
| Measurement parameter kW | Yes |
| Measurement parameter kWh | Yes |
| Measurement parameter kVAR | Yes |
| Measurement parameter kVARh | Yes |
| Measurement parameter PF | Yes |
| Measurement parameter Hz | Yes |
| Measurement parameter VL-L | Yes |
| Measurement parameter VL-N | Yes |

COMMUNICATION

| | |
|---|-----|
| Supporting protocol for Modbus | Yes |
| Supporting protocol for other bus systems | No |
| Supporting protocol for PROFIBUS | No |

CONSTRUCTION

| | |
|---------------------------------------|--------------------------|
| Display | LCD |
| Terminal type | Removable terminal block |
| Mounting method | To panel |
| Degree of protection (IP), front side | IP52 |

MECHANICAL

| | |
|----------------|----|
| Remote display | No |
|----------------|----|

DIMENSIONS

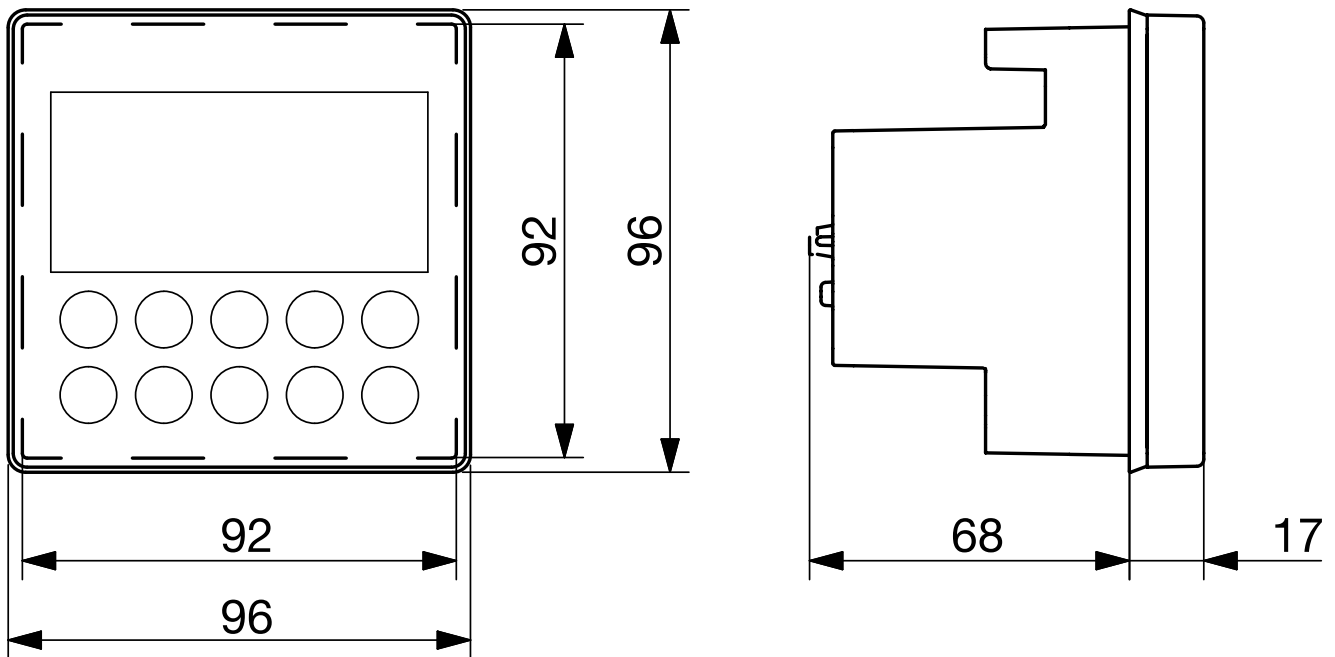
| | |
|--------|-------|
| Height | 98 mm |
|--------|-------|

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| | | |
|--------------------|-----------------------|-------------|
| DIMENSIONS | Width | 98 mm |
| | Depth | 85 mm |
| ENVIRONMENT | Operating temperature | -10...70 °C |
| | Storage temperature | -25...85 °C |

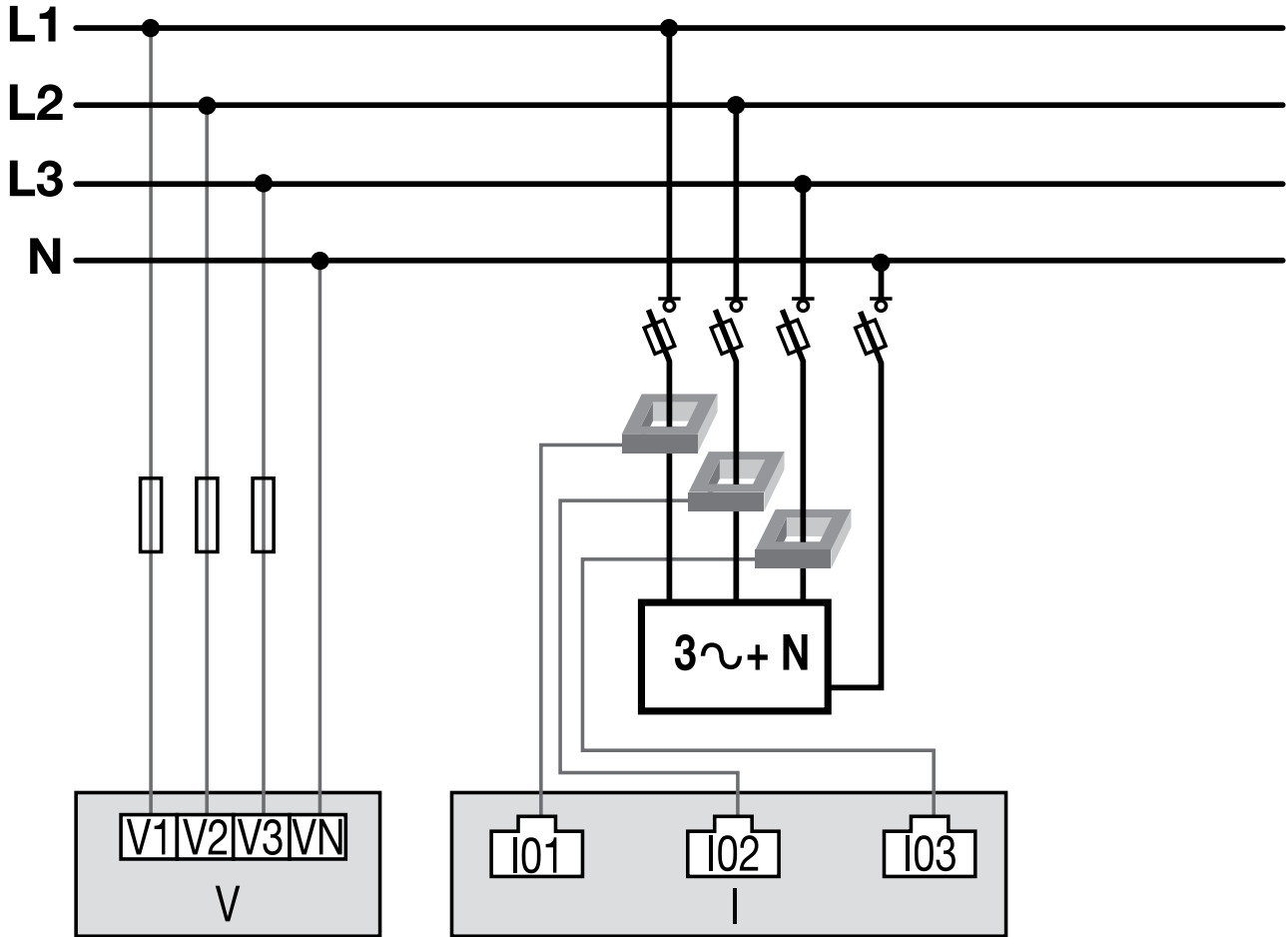
DIMENSIONAL DIAGRAM



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ELECTRICAL CONNECTION DIAGRAM



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MULTIFUNCTION METERS

socomec
Innovative Power Solutions

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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MULTIFUNCTION METERS



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