Features

- DIN rail mounting
- 2.1” segment LCD screen
- 256 event record
- 4 MB memory and LOG record
- Detection of connection errors

RS PRO Network Analyzers

RS Stock No.: 0360704

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

MPR-2 Series DIN type network analyzers are designed for detailed measurement and analysis of electrical parameters.
Real-time monitoring is supported via LCD screen.

Thanks to the communication feature of devices, energy measurements can be monitored from a single monitoring center.

MPR-2 series can detect the status of devices in the field with digital inputs and provide control of devices (breakers, switches, contacts, etc.) with digital outputs.

General Specifications

Auxiliary Supply (Un)	95-270 VAC/DC
Maximum Voltage (Vpp)	480V
Current Transformer	1A/5A
Frequency	50-60Hz
Ambient Temperature	-10C°...+70 C°
Storage Temperature	-20C°...+80 C°
Maximum Humidity	%95
Communication Protocol/ Interface	RS-485 / MODBUS RTU
Protection Class	IP51

Enclosure Specifications

Dimensions	91 x 71,3 x 57,8mm (DIN4 Rail Mounting)
Width	57,8mm
Length	71,3mm
Height	91mm
Protection Class	IP51
Display	2,1" Segment LCD

Standards

EN 61557-12, EN 61326-1, EN 61000-6-2, EN 61000-6-4, EN 62053, EN 60068, EN 61010

Measurement Specifications

Voltage	
Measurement Range	10-300 VAC (L-N), 10-480 VAC (L-L)
Measurement Range with Voltage Transformer	10 V - 999,9 kV
Accuracy	0,5% ± 1 Digit
Input Impedance	> 1 MΩ
Burden	< 0,5 VA
Current	
Nominal Current	In: 5A / 1A
Minimum Current	5 mA
Measurement Range	50 mA - 5,5 A
Measurement Range with Current Transformer	50 mA - 10.000 A
Accuracy	0,5% ± 1 Digit
Burden	< 1 VA
Overload Current	1,2 x In
Short Time Overload (1 sec)	10 x In
Power / Energy	
Active Power	0 - 1 GW ; 1% ± 1 Digit
Reactive Power	0 - 1 GVAr ; 2% ± 1 Digit
Apparent Power	0 - 1 GVA ; 1% ± 1 Digit
Power Factor	± 1.00 ; Accuracy ± 0,02
Active Energy	0 - 99 999 999 kWh or MWh; Accuracy 1% (Class 1)
Reactive Energy	0 - 99 999 999 kVArh or MVArh; Accuracy 2% (Class 2)
Apparent Energy	0 - 99 999 999 kVAh or MVAh; Accuracy 1% (Class1)
Tariff	8
Total Harmonic Distortion	L - L Voltage (%THD-U); L - N Voltage (%THD-V); Current (%THD-I)
Demand Period	1,5,10,15,20,30,60 min
Frequency	45-65 Hz
Sampling Rate per Period	128

Supply Specifications

Operating Voltage	95-270 VAC/DC
Operating Frequency	50/60Hz
Power Consumption	<6VA

Communication

Interface / Protocol	RS 485 / Modbus RTU
Transfer Rate	2400 - 115200 bps

Memory Specifications

Internal Memory Size	4MB

Inputs & Outputs Specifications

Digital Input	
Pulse Width	20-500ms
Operating Voltage	5...30VAC/DC
Switching Current	Max 50mA
Digital Output	
Supply Voltage	5-30 VDC (Open Collector)
Pulse Width	20-1000ms
Pulse Duty	20-1000ms

Connections

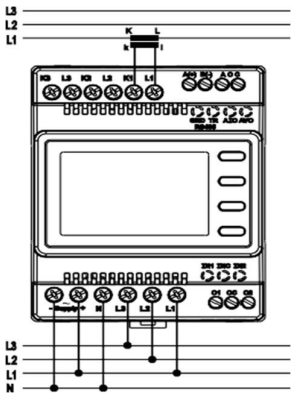
Mounting Type	Rail Mounting
Connection Terminals	Screw terminal with socket
Connection Types	3P4W, 3P3W, 3 Phase Aron, 3P4W (balanced),3P3W(balanced)

Ambients Conditions

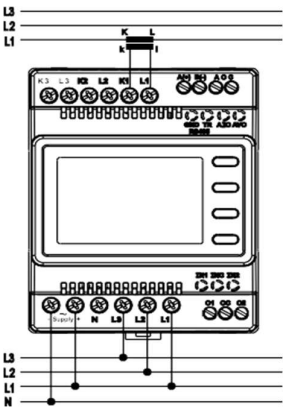
Ambient Temperature	-10°C... +70°C
Storage Temperature	-20°C... +80°C
Overvoltage Category	III
Pollution Degree	II
Maximum Ambient Humidity	%90

Ambients Conditions

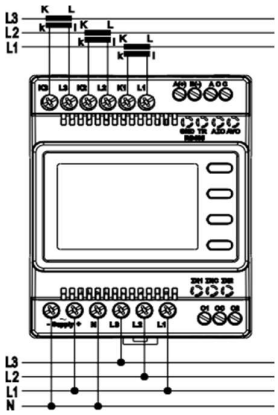
3P4W BALANCED



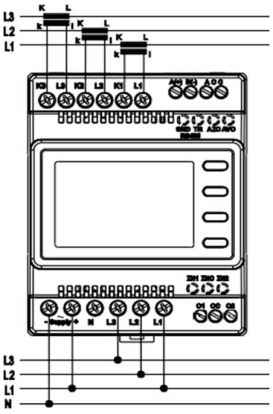
3P3W BALANCED



3P4W



3P3W



ARON