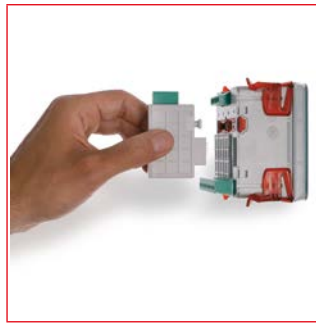


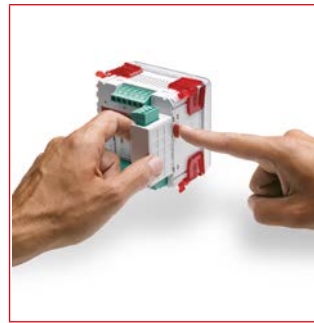
■ Mains Analyser NA96



MGF39000



NA96 and Module



NA96 and Module



MGF3900A



MGF3900R



MGF3900E



MGZEM001

■ Schrack-Info

- Multifunction measurements (4 quadrants)
- Active energy metering (2 quadrants)
- AC supply
- Single-phase, three-phase or 4-wire (adjustable)
- Voltage – phase - phase
- Minimum voltage per phase
- Maximum voltage per phase
- Harmonic content of each phase
- Current – phase and neutral, average per phase, maximum average per phase, total current, harmonic content of each phase
- Total output – active, reactive and apparent power, power per phase – active, reactive and apparent power, average, maximum average
- Power factor – overall, per phase
- Frequency
- Working hours
- Active energy – positive overall, positive for each phase
- Reactive energy – positive overall, positive for each phase
- Active energy – negative overall
- Reactive energy – negative overall

■ Mains Analyser NA96

■ Technical data - Part 1

HOUSING

| | |
|------------------------------|--|
| Panel cut-out flush mounting | 92 x 92 mm |
| Front frame | 96 x 96 mm |
| Depth | 62 mm, 81 mm (including optional module) |
| Connection | Connection Screw terminal, voltage – max. 4 mm ² , current – max. 6 mm ² |
| Housing material | Polycarbonate (self-extinguishing) |
| Degree of protection | IP 54 (front) – IP 20 (terminals) |

DISPLAY

| | |
|--|---|
| LCD backlit 68 x 65 mm | Backlighting switches off automatically after 20 seconds without operation |
| Measuring display | 4 lines – 4 digits |
| Reading update | 1.1 seconds |
| Energy count | 8 digits (6+2 decimals) |
| Accuracy (+ 1 digit) | Active energy NA96: Class 1 (EN62053-21), NA96+: Class 0.5 (EN62053-21) |
| | Reactive energy Class 2 (EN62053-23) |
| | Voltage NA96: ± 0.5% (80 500 V phase-phase), NA96+: ± 0.2% (80 690 V phase-phase) |
| | Current NA96: ± 0.5% (10 120% I _n), NA96+: ± 0.2% (10 120% I _n) |
| | Power NA96: ± 1% (10 120% P _n , Q _n , S _n), NA96+: ± 0.5% (10 120% P _n , Q _n , S _n) |
| Power factor NA96: ± 1% (0.5 ind 0.5 cap), NA96+: ± 0.5% (0.5 ind 0.5 cap) | |
| Frequency | ± 0.15 Hz |
| Programming | 4 front keys, access protected by password |
| | Parameter retention in non-volatile memory |

PROGRAMMABLE PARAMETERS

| | |
|----------------------------------|--|
| Mains type | 1-phase or 3/4-phase connection |
| Current rating | 1 – 5 A |
| Transformer ratio | NA96: 1...10 (voltage – max. primary voltage 1,200 V) |
| | NA96+: 1...3000 (voltage – max. primary voltage 300,000 V) |
| | 1...9999 (current – max. primary current 50 kA/5 A – 10 kA/1 A) |
| Communication (optional modules) | RS 485, Ethernet, Profibus |
| Pulse value (optional modules) | Active or reactive energy, significance, pulse duration |
| Relay (optional modules) | Allocation of measured variable, threshold, min. or max. – NO or NC, |
| | hysteresis, On delay, Off delay |
| Current and power average | Integration time 5/8/10/15/20/30/60 minutes |
| Display | Contrast: 4 levels |
| Backlight | 0–30 – 70–100% |
| Display page | After switch-on (measured quantity) |

■ Mains Analyser NA96

■ Technical Data - Part 2

INPUT

| | |
|-------------------------------------|--|
| Input | AC, three-phase mains 3- and 4-wire connection |
| Voltage | NA96: 80 500 V (three-phase AC mains phase-phase), |
| | NA96+: 80 690 V (three-phase AC phase-phase) |
| | NA96: 50 290 V (AC mains), NA96+: 50 400 V (AC mains) |
| Current rating | Current rating 5 A – 1 A – only current transformer connection |
| Max. current I_{max} | Max. current I_{max} 1.2 I_n continuous |
| Overload | Overload 20 $I_n/0.5$ s |
| Nominal frequency | Nominal frequency 50 Hz |
| Operating frequency | Operating frequency 47 63 Hz |
| Type of measurement | Type of measurement True RMS value |
| Harmonic content | Harmonic content NA96: up to the 16th harmonic, NA96+: up to the 22nd harmonic |
| Start of measurement (energy meter) | < 5 s |
| Intrinsic consumption | Voltage path: < 0.5 VA (per phase), current path: < 0.5 VA (per phase) |

AUXILIARY VOLTAGE

| | |
|-----------------------------|------------------------------------|
| Auxiliary voltage | 80 265 V AC |
| Nominal frequency | 50 Hz |
| Operating frequency | 47 63 Hz |
| Intrinsic consumption | < 4 VA (without optional modules) |
| Auxiliary voltage | 110 300 V DC |
| Intrinsic consumption | < 3.5 W (without optional modules) |
| Reverse polarity protection | yes |

INSULATION

| | |
|---------------------------|--------------------------------------|
| Installation category | III |
| Pollution degree | 2 |
| Insulation voltage rating | 300 V (phase - neutral) |
| Surge voltage protection | 6 kV, 1.2/50 μ s, 0.5 J |
| Test circuit | Measurement input, auxiliary voltage |
| Test voltage | 4 kV, rms, 50 Hz/1 min |
| Test circuit | All circuits and earth |

ELECTROMAGNETIC COMPATIBILITY

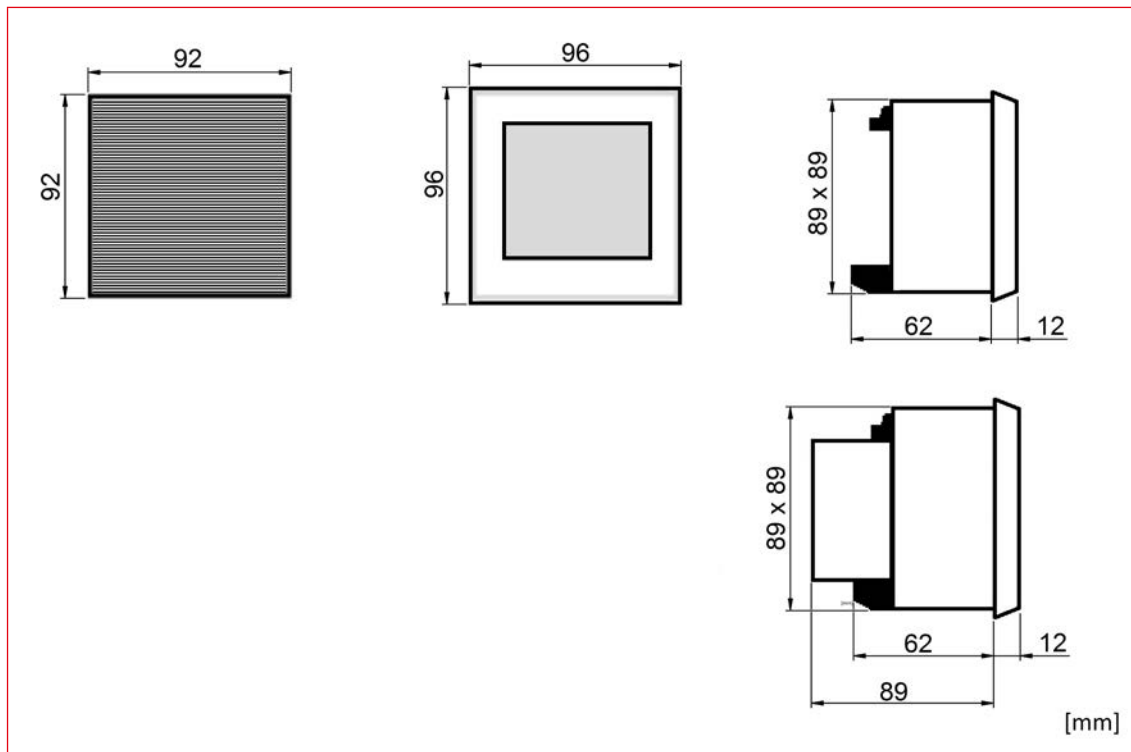
| | |
|-----------------------------|---------------------|
| Emission and immunity tests | Acc. to EN 62052-11 |
|-----------------------------|---------------------|

AMBIENT CONDITIONS

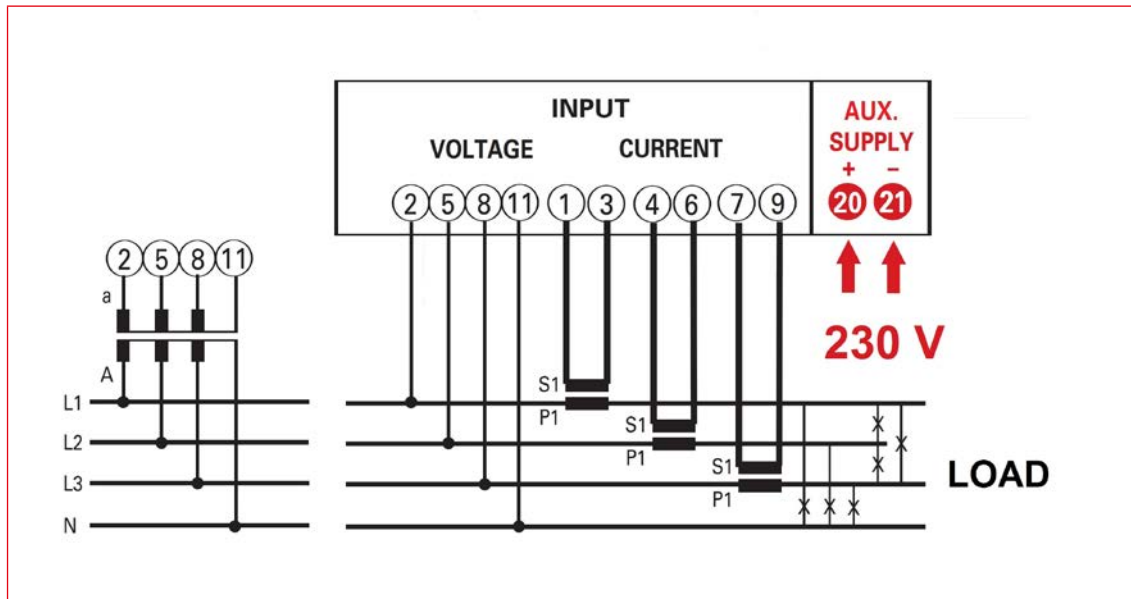
| | |
|---|------------------|
| Reference temperature | 23 °C \pm 2 °C |
| Operating temperature | -5 ... 55 °C |
| Limit range for storage and transport | -25 ... 70 °C |
| Temperature influence | < 0.1%/°C |
| Power dissipation for thermal dimensions of the control cabinet | < 5 W |

■ Mains Analyser NA96

■ MGF39000 / MGF39001 Dimensions



■ MGF39000 Wiring Diagram



■ Mains Analyser NA96

■ Plug-in Module for Alarm Contacts for NA96/NA96+ - MGF3900A--

DESCRIPTION

Programming of: measured quantity, limit value, type of alarm, relay behaviour, hysteresis, On delay, and Off delay. The NA96 and NA96+ modules in conjunction with the multifunction module allow the monitoring of two measured quantities by two limit contacts. Each multi-function module, NA96 and NA96+, can accommodate up to two MGF3900A modules so that 4 limit contacts are available.

PROGRAMMABLE PARAMETERS

| | | |
|--|--|---|
| Values: 4-wire three-phase mains, 3 current transformers (3n3E) | U1, U2, U3 Phase voltage | |
| | U12, U23, U31 Phase-to-phase voltage | |
| | A1, A2, A3 Phase current | |
| | P Active power (total) | |
| | P1, P2, P3 Active power (phase) | |
| | VAr Reactive power (total) | |
| | VAr1, VAr2, VAr3 Reactive power (phase) | |
| | PF Power factor | |
| | FrEq Frequency | |
| | U12, U23, U31 Phase-to-phase voltage | |
| Values: 3-wire three-phase main, 3 current transformers (3-3E) 3-wire three-phase power, 2 current transformers (ARON) (3-2E) | A1, A2, A3 Phase current | |
| | P Active power (total) | |
| | VAr Reactive power (total) | |
| | PF Power factor | |
| | FrEq Frequency | |
| | U1 Phase voltage | |
| | A1 Phase current | |
| | P Active power | |
| | VAr Reactive power | |
| | PF Power factor | |
| Values: AC mains (1-n1E) | FrEq Frequency | |
| | Alarm type: Min and Max contact | |
| | Relay state: Relay On or Off in normal state | |
| | Hysteresis: 0...20% | |
| | On delay: 0...99 s | |
| | Off delay: 0...99 s | |
| | OUTPUT | |
| | Output: | 2 relays with CO contacts SPDT-NO, potential-free |
| | Contact load: | 5A 250V AC $\cos\phi$ 1 – 3A 250V AC - $\cos\phi$ 0,4 – 5A 30V DC |
| | AUXILIARY VOLTAGE (data apply to a combination of NA96 + MGF3900A module) | |
| Intrinsic consumption MGF3900A: | ≤ 1VA | |
| Intrinsic consumption NA96 + module MGF3900A: | ≤ 5VA | |
| Intrinsic consumption NA96 + 2 modules MGF3900A: | ≤ 6VA | |
| ELECTRICAL SAFETY (data apply to a combination of NA96 + MGF3900A module) | | |
| Test voltage: | 2 kV rms 50 Hz/1 min | |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 | |
| HOUSING | | |
| Housing: | Module with connector (for connecting to NA96) | |
| Housing depth: | 81 mm (NA96 + module) | |
| Connection: | Screw terminal | |
| | Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² | |
| Housing material: | Polycarbonate, self self-extinguishing | |

■ Mains Analyser NA96

■ Plug-in Module for Impulse Contacts for NA96/NA96+ - MGF3900I--

DESCRIPTION

Programming of: Energy allocation (active and/or reactive), pulse value and pulse duration. The module MGF3900I in combination with a device of type NA96 and NA96+ allows the transfer of energy values. Both independent and galvanically isolated pulse outputs can be freely allocated to active and/ or reactive energy. For each device (NA96), a maximum of two modules MGF3900I can be used, resulting in 4 pulse outputs.

PROGRAMMABLE PARAMETERS (for each output)

| | |
|-----------------------|---|
| Allocatable quantity: | Active or reactive energy |
| Pulse value: | 1 imp/10Wh - 100Wh - 1kWh - 10kWh - 100kWh - 1MWh - 10MWh |
| Pulse duration: | 1 imp/10varh - 100varh - 1kvarh - 10kvarh - 100kvarh - 1Mvarh - 10Mvarh |
| Pulse duration: | 50 - 100 - 200 - 300ms |

OUTPUT

| | |
|-------------------|---|
| Output: | 2 optical relays with potential-free contacts SPST-NO |
| Loading capacity: | 110 V AC/DC - 50mA |

AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900I)

| | |
|--|-------|
| Intrinsic consumption MGF3900I: | ≤ 1VA |
| Intrinsic consumption NA96 + module MGF3900I: | ≤ 5VA |
| Intrinsic consumption NA96 + 2 modules MGF3900I: | ≤ 6VA |

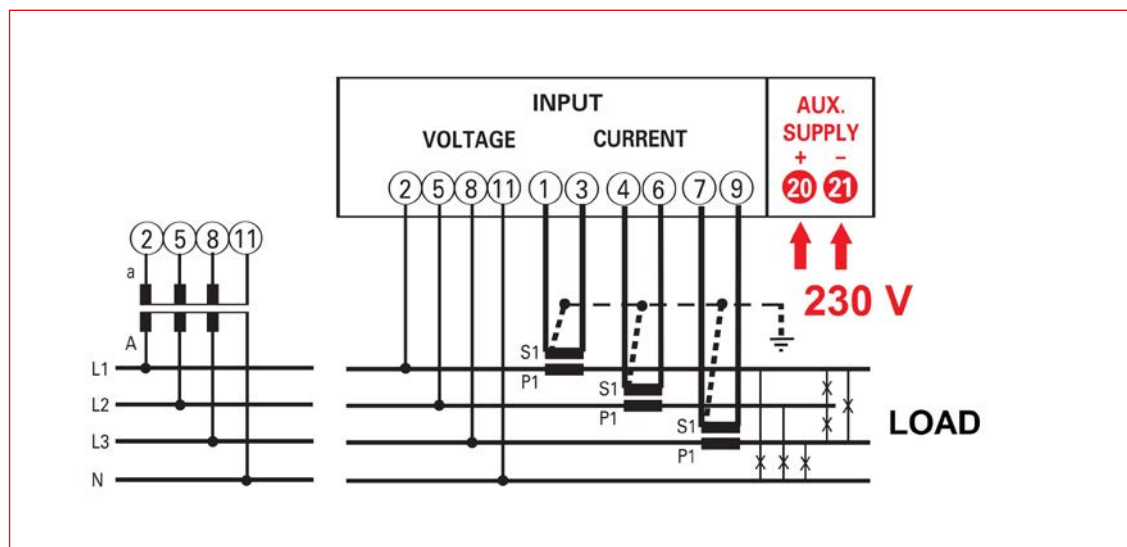
ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900I)

| | |
|----------------|---|
| Test voltage: | 2 kV R.M.S. 50Hz/1 min |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 |

HOUSING

| | |
|-------------------|--|
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal |
| | Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ MGF39001 Wiring Diagram



■ Mains Analyser NA96

■ Plug-in Module for Analog Contacts for NA96/NA96+ - MGF3900M--

DESCRIPTION

Programming of: Measured quantity, initial value of the measuring range, final value of the measuring range, output 0...20 mA - 4...20 mA. The module MGF3900M in conjunction with the multi-function module NA96 and NA96+ allows the mapping of two measured quantities to the analogue signal 0... 20 mA signal and/or 4... 20 mA. Each multi-function module NA96 and NA96+ can accommodate a maximum of 2 modules MGF3900M so that 4 analogue outputs are available.

PROGRAMMABLE PARAMETERS

| | |
|--|--|
| Values: 4-wire three-phase mains, 3 current transformers (3n3E) | U1, U2, U3 Phase voltage |
| | U12, U23, U31 Phase-to-phase voltage |
| | A1, A2, A3 Phase current |
| | P Active power (total) |
| | P1, P2, P3 Active power (phase) |
| | VAr Reactive power (total) |
| | VAr1, VAr2, VAr3 Reactive power (phase) |
| | PF Power factor |
| | FrEq Frequency |
| | U12, U23, U31 Phase-to-phase voltage |
| Values: 3-wire three-phase main, 3 current transformers (3-3E) 3-wire three-phase power, 2 current transformers (ARON) (3-2E) | A1, A2, A3 Phase current |
| | P Active power (total) |
| | VAr Reactive power (total) |
| | PF Power factor |
| | FrEq Frequency |
| | U1 Phase voltage |
| | A1 Phase current |
| | P Active power |
| | VAr Reactive power |
| | PF Power factor |
| Values: AC mains (1-n1E) | FrEq Frequency |
| | U1 Phase voltage |
| | A1 Phase current |
| | P Active power |
| | VAr Reactive power |
| | PF Power factor |
| | FrEq Frequency |
| | 0...20mA, 4...20mA |
| | Value of the measured quant. that is 0 mA (for output 0 .. 20 mA or 4 mA (for output 4...20 mA). |
| | Value of the measured quantity that is 20 mA |
| Unidirectional | |
| Class 0.5 | |
| ≤ 600ms | |
| 0...20 und 4...20mA | |
| ≤ 750 Ω | |
| AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900M) | |
| Intrinsic consumption MGF3900M: | ≤ 1VA |
| Intrinsic consumption NA96 + module MGF3900M: | ≤ 6VA |
| Intrinsic consumption NA96 + 2 modules MGF3900M: | ≤ 8VA |
| ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900M) | |
| Test voltage: | 2 kV rms 50 Hz/1 min |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 |
| HOUSING | |
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal |
| | Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ Mains Analyser NA96

■ Plug-in Module Energy Value Storage - RS485 Interface for NA96/NA96+ - MGF3900S--

DESCRIPTION

Module MGF3900S combined with meters of NA 96HD/HD+ series makes available, by RS485 communication, all the data relevant to carried out measurement as well as the configuration parameters. Thanks to the internal storage, it is possible to store the energy counts of the main measured parameters. By the RS485 communication it is possible to query the device having access to the stored data.

| PROGRAMMABLE PARAMETERS - MEMORY | |
|--|--|
| Values: | U1, U2, U3 Phase voltage |
| | U12, U23, U31 Phase-to-phase voltage |
| | A1, A2, A3 Phase current |
| | P Active power (total) |
| | P1, P2, P3 Active power (phase) |
| | VAR Reactive power (total) |
| | VAR1, VAR2, VAR3 Reactive power (phase) |
| | PF Power factor |
| | FrEq Frequency |
| | State of alarms |
| Clock: | hour, minutes, seconds |
| Date: | day, month, year |
| Daylight saving time: s | starting date and time, ending date and time |
| Time interval between the data backup: | 2-5-10-30-60 seconds – 2-5-10 minutes |
| Reset saved data | possible |
| RS485 COMMUNICATION | |
| Isolation: | Galvanically insulated from input and aux. supply (NA 96HD/HD+) |
| Standard: | RS485 - 3 wire |
| Transmission: | serial asynchronous |
| Protocol: | compatible JBUS/MODBUS |
| Bit number: | 8 |
| Stop bit: | 1 |
| Required response time to request: | ≤ 200ms |
| Meters that can be connected on the bus: | 32 (up to 255 with RS485 repeater) |
| Highest distance from supervisor: | 1200 m |
| PROGRAMMABLE PARAMETERS - RS485 | |
| Address: | 1...255 |
| Baud rate: | 4.800 - 9.600 - 19.200 - 38.400 bit/s |
| | 138.400 : only for NA 96 / NA96+ |
| Parity bit: | none - even - odd |
| AUXILIARY SUPPLY | |
| Value referred to combination NA 96 and MGF3900S interface | ≤ 5VA |
| INSULATION (EN61010) | |
| A.C. voltage test: | 2 kV R.M.S. 50Hz/1min |
| Considered circuits: | measure, aux. supply, RS485 communication |
| HOUSING | |
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal |
| | Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ Mains Analyser NA96

■ Plug-in Module with RS485 Interface for NA96 - MGF3900R--

DESCRIPTION

The module MGF3900R in conjunction with the device of type NA 96 and NA96+ allows read-out of all available parameterized data through the RS485 interface.

RS485 INTERFACE

| | |
|------------------------------------|--|
| Isolation: | Galvanic isolation between input and supply (NA96) |
| Standard: | RS485 - 3 wire |
| Transfer: | Asynchronous serial |
| Protocol: | Compatible with JBUS / MODBUS |
| Number of bits / stop bits: | 8 / 1 |
| Data read-out time: | ≤ 200ms |
| Number of devices to be connected: | 32 (up to 255 with RS485 repeater) |
| Maximum distance of devices: | 1200m |

PROGRAMMABLE PARAMETERS

| | |
|-----------------|---------------------------------------|
| Address: | 1...255 |
| Transfer speed: | 4.800 - 9.600 - 19.200 - 38.400 bit/s |
| Parity bit: | none - even - odd |

AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900R)

| | |
|------------------------|-------|
| Intrinsic consumption: | ≤ 5VA |
|------------------------|-------|

ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900R)

| | |
|----------------|---|
| Test voltage: | 2 kV rms 50 Hz/1 min |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 |

HOUSING

| | |
|-------------------|--|
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ Interface Communication Ethernet for NA96/NA96+ - MGF3900E--

DESCRIPTION

Modul MGF3900E combined with meters of NA96/NA96+ series makes available by ethernet communication the relevant date measurements.

ETHERNET COMMUNICATION

| | |
|------------|--|
| Isolation: | Galvanically insulated from input and aux. supply (NA96/NA96+) |
| Standard: | IEEE802.3 |
| Baud rate: | 10 Mb/s |

PROGRAMMING

For programming use a browser (for instance Internet Explorer), by consulting the manual supplied with module MGF3900E.

AUXILIARY SUPPLY

| | |
|--|-------|
| Value referred to combination NA96/NA96 and interface MGF3900E | ≤ 5VA |
|--|-------|

HOUSING

| | |
|-------------------|--|
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | RJ45 |
| Housing material: | Polycarbonate, self-extinguishing |

■ Plug-in Module for M-Bus for NA96/NA96+ - MGF3900B--

DESCRIPTION

The module MGF3900B in conjunction with the device of type NA 96 allows reading of kWh by the M-bus interface. Not calibratable!

M-BUS COMMUNICATION

| | |
|-----------------|--|
| Isolation: | Galvanic isolation between input and supply (NA96/NA96+) |
| Standard: | EN 1434-3 |
| Transfer: | Asynchronous serial |
| Protocol: | M-BUS |
| Number of bits: | 8 |
| Stop bit: | 1 |

PROGRAMMABLE PARAMETERS

| | |
|------------|---|
| Address: | 0..250 |
| Baud rate: | 300 - 600 - 1.200 - 2.400 - 4.800 - 9.600 bit/s |

AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900B)

| | |
|------------------------|-------|
| Intrinsic consumption: | ≤ 5VA |
|------------------------|-------|

ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900B)

| | |
|----------------|---|
| Test voltage: | 2 kV rms 50 Hz/1 min |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 |

HOUSING

| | |
|-------------------|--|
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ Mains Analyser NA96

■ Plug-in Module with Profibus Interface for NA96/NA96+ - MGF3900P--

DESCRIPTION

The module MGF3900P in conjunction with the multi-function module NA 96 and NA96+ allows the readout of all measured values and configuration parameters via PROFIBUS communication.

PROFIBUS COMMUNICATION

| | |
|-------------------------------|---|
| Isolation: | Galvanic isolation between input and auxiliary voltage (NA96) |
| Standard: | PROFIBUS EN50170 |
| Response time: | ≤ 10ms |
| Maximum distance from master: | Standard |
| Baud rate: | up to 3 Mbps |

PROGRAMMABLE PARAMETERS

| | |
|----------|---------|
| Address: | 1...127 |
|----------|---------|

AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900P)

| | |
|------------------------|-------|
| Intrinsic consumption: | ≤ 5VA |
|------------------------|-------|

ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900P)

| | |
|----------------|---|
| Test voltage: | 2 kV rms 50 Hz/1 min |
| Test circuits: | Measurement input, auxiliary voltage, output 1 - output 2 |

HOUSING

| | |
|-------------------|---|
| Housing: | Module with connector (for connecting to the device NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | SUB-D, 9-pole |
| Housing material: | Polycarbonate, self-extinguishing |

■ Plug-in Module for Lonworks for NA96 and NA96+ - MGF3900L--

DESCRIPTION

The module MGF3900L in conjunction with the multi-function module NA 96 and NA96+ allows the readout of all measured values and configuration parameters via LONWORKS communication.

LONWORKS COMMUNICATION

| | |
|------------|---|
| Isolation: | Galvanic isolation between input and auxiliary voltage (NA96) |
| Standard: | FTT10 |

AUXILIARY VOLTAGE (data apply to a combination of NA96 + module MGF3900L)

| | |
|------------------------|-------|
| Intrinsic consumption: | ≤ 5VA |
|------------------------|-------|

ELECTRICAL SAFETY (data apply to a combination of NA96 + module MGF3900L)

| | |
|---------------|-----------------------|
| Test voltage: | 1 kV R.M.S. 50Hz/1min |
|---------------|-----------------------|







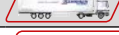


HOUSING

| | |
|-------------------|--|
| Housing: | Module with connector (for connecting to NA96) |
| Housing depth: | 81 mm (NA96 + module) |
| Connection: | Screw terminal |
| | Rigid cable max. 4 mm ² , flexible cable max. 2.5 mm ² |
| Housing material: | Polycarbonate, self-extinguishing |

■ Software

| | |
|--------------------|---|
| Functions: | Data acquisition via RS485 serial port and/or Ethernet up to 15 channels |
| | Instantaneous displays of parameters measured by devices (multifunction NA96 or NA96+) concentrators used for accounting of electricity or other sources |
| | Analogic or digital display |
| | Realization of graphic trends for one or more magnitudes with the opportunity to export in a tabular form |
| | Setting of software alarm thresholds to password-enabled users |
| | Display of active alarms |
| | Historical archive of events and alarms |
| | Monitoring of energy consumption for each device or for set creating one or more tariff calendars |
| Connection: | Web-server function to grant remote access to the central system where MIDAs Evo is installed using a simple Internet browser by specifying the IP address in the address bar |
| | The standard RS485 can support up to 31 devices, but using a repeater interface every 31 units it can be increased up to 247 units. Using a PC connected to a company LAN network or to a local switch, through multiple interfaces MGZEM001 or MGF3900E, it is possible to create networks up to 1020 devices (max. number that the MIDAs Evo software can manage). |
| Versions: | NA96-Software MIDAsEvo1 up to 5 devices (MGF39SE1) |
| | NA96-Software MIDAsEvo2 up to 20 devices (MGF39SE2) |
| | NA96-Software MIDAsEvo3 unlimited devices (MGF39SE3) |

Mains Analyser NA96

| DESCRIPTION | AVAILABLE | ORDER NO. |
|---|---|-----------------|
| Mains Analyser NA96 | | |
| Netanalyser 96x96mm, NA96 |  | MGF39000 |
| Netanalyser 96x96mm, NA96+ |  | MGF39001 |
| Modules | | |
| for alarm contacts |  | MGF3900A |
| for Impulse Contacts |  | MGF3900I |
| for analog contacts |  | MGF3900M |
| energy value storage - RS485 interface | | MGF3900S |
| with RS485 interface, Modbus/JBUS compatible |  | MGF3900R |
| Interface communication Ethernet with MIDAsEvo-software |  | MGF3900E |
| for M-Bus |  | MGF3900B |
| with profibus interface |  | MGF3900P |
| for Lonworks | | MGF3900L |
| Accessories and Software | | |
| Ethernet module, din-rail | | MGZEM001 |
| Software MIDAsEvo1 up to 5 devices with E-Mail licence | | MGF39SE1 |
| Software MIDAsEvo2 up to 20 devices with USB-dongle | | MGF39SE2 |
| Software MIDAsEvo3 unlimited devices/USB-dongle | | MGF39SE3 |