



ECA310D

3 Phase kWhmeter direct 125A 6M AGARDIO MID

Technical characteristics

Architecture

| | |
|-----------------|-------------------------------|
| Bus system | MODBUS |
| Number of poles | 4 P |
| Type of pole | 3P+N |
| Fixing mode | DIN rail type O (symmetrical) |

Functions

| | |
|-----------------|------------------------------------|
| Precision class | B |
| Tarif type | T1...T2 (230V AC) / T1...T8 Modbus |

Configuration

| | |
|-------------------|---|
| Number of modules | 6 |
|-------------------|---|

Compatibility

| | |
|--------------|-------------------|
| Suitable for | Purchase / supply |
|--------------|-------------------|

Main electrical features

| | |
|------------------------------|------------|
| Rated operational voltage Ue | 92 / 480 V |
| Type of supply voltage | AC |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|-------|
| Max operating voltage | 300 V |
| Rated impulse withstand voltage | 6 kV |

Electric current

| | |
|----------------------------------|--------------|
| Minimum operating current | 0.02 A |
| Operating current | 0.02 / 125 A |
| Rated current | 125 A |
| Reference current | 5 A |
| Max. measurement circuit current | 125 A |

Dimensions

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|-----------------------------|--------|
| Depth of installed product | 60 mm |
| Height of installed product | 92 mm |
| Width of installed product | 107 mm |

Power

| | |
|---------------------------|-------|
| Power consumed | 2 VA |
| Total power loss under IN | 0.6 W |

Electrical specifications

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|-------------------------|---------|
| Type of pulse generator | optical |
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Measurement

| | |
|---------------------------|-------------|
| Frequency measuring range | 45 to 65 Hz |
|---------------------------|-------------|

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|------------------------------|------------|
| Type of measuring instrument | electrical |
|------------------------------|------------|

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|--------------------------|--------------------|
| Principle of measurement | Direct measurement |
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Power supply

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|----------------|-----------------|
| Supply voltage | 400 V \pm 20% |
|----------------|-----------------|

Installation, mounting

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|-------------------|-----|
| Tightening torque | 5Nm |
|-------------------|-----|

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|---------------|----------|
| Mounting type | din-Rail |
|---------------|----------|

Connection

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|--|--------------------|
| Wire cross section of metering entrance wire | 50 mm ² |
|--|--------------------|

| | |
|--|--------------------|
| Wire cross section of metering outgoing wire | 50 mm ² |
|--|--------------------|

Equipment

| | |
|-----------------|---------------------------|
| Type of display | retro illuminated display |
|-----------------|---------------------------|

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|-------------------------------------|---------|
| Tariff model of kilowatt-hour meter | Externa |
|-------------------------------------|---------|

| | |
|-----------------|-----------------|
| Type of counter | 4 wires counter |
|-----------------|-----------------|

Standards

| | |
|---------------|---|
| Standard text | EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12 |
|---------------|---|

| | |
|-------------------|---------------------------------------|
| Certified product | MID (Measuring Instruments Directive) |
|-------------------|---------------------------------------|

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|-------------------------|-----------|
| European directive WEEE | concerned |
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Safety

| | |
|---------------------|------|
| Protection index IP | IP20 |
|---------------------|------|

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|------------------|---------------|
| Protection class | isol.class II |
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Use conditions

| | |
|-----------------------|-------------|
| Operating temperature | -25...55 °C |
|-----------------------|-------------|

| | |
|--|---|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
|--|---|

| | |
|----------|--------|
| Altitude | 2000 m |
|----------|--------|

| | |
|-------------------------------|-------------|
| Storage/transport temperature | -25...70 °C |
|-------------------------------|-------------|