


Measuring instrument - EEM-EM325 - 2908576

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Three-phase power meter for active power measurement with current transformer measurement 1 A / 5 A in networks of up to 500 V, with S0 output, with digital input and MBUS interface, certified in accordance with the MID directive.



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 0 5 5 6 2 6 3 3 8 2 2 4 |
| GTIN | 4055626338224 |

Technical data

Dimensions

| | |
|--------|-------|
| Width | 72 mm |
| Height | 90 mm |
| Depth | 67 mm |

Ambient conditions

| | |
|--|------------------------------------|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 75 °C |
| Max. permissible relative humidity (operation) | 80 % |
| Degree of protection | IP51 (Front) IP20 (Connections) |

Input data

| | |
|----------------------------|--------------------------------------|
| Designation | Measuring input |
| Input voltage range | 3x 184 V ... 288 V (320 V ... 500 V) |
| Power consumption | 7.5 VA (0.5 W) |
| Frequency range | 45 Hz ... 65 Hz |
| Energy (EN 50470-3) | Class B |
| Real energy (IEC 62053-21) | Class 1 |

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Technical data

Input data

| | |
|-------------------------------|----------------------------|
| Reactive power (IEC 62053-23) | Class 2 |
| Designation | Digital input |
| Description of the input | Active opto-isolated |
| Input voltage range | 80 V AC/DC ... 276 V AC/DC |

Output data

| | |
|---------------------------|-----------------------|
| Designation | S0 output |
| Output description | Passive opto-isolated |
| Maximum switching voltage | 27 V DC |
| Max. switching current | 27 mA |

Communication interface

| | |
|--------------------------|----------------------|
| Communication protocol | M-Bus |
| Communication standard | EN 13757-1-2-3 |
| Transmission speed range | 300 bps ... 9600 bps |

General

| | |
|----------------------|------------------------|
| Degree of protection | IP51 (Front) |
| | IP20 (Connections) |
| Protection class | II (EN 50470-1) |
| Electric strength | 6 kV |
| | 4 kV (EN 50470-3, 7.2) |

Connection data

| | |
|-------------------------------|---|
| Connection name | Measurement connection |
| Connection method | Screw connection |
| Conductor cross section solid | 1.5 mm ² ... 6 mm ² |
| Tightening torque | 1.5 Nm |

Connection data 2

| | |
|-------------------------------|--|
| Connection name | Other connections |
| Connection method | Screw connection |
| Conductor cross section solid | 0.14 mm ² ... 2.5 mm ² |
| Tightening torque | 0.5 Nm |

Standards and Regulations

| | |
|--------------------------|-----------------------|
| Standards/specifications | EN 50470-1 EN 50470-3 |
| Conformance | CE-compliant |
| MID | MID-compliant |

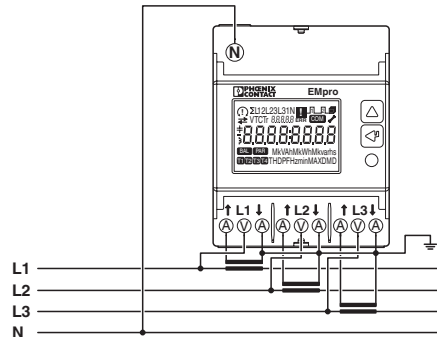
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

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Connection diagram



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27142330 |
| eCl@ss 11.0 | 27142330 |
| eCl@ss 5.0 | 27200307 |
| eCl@ss 5.1 | 27200307 |
| eCl@ss 6.0 | 27142300 |
| eCl@ss 7.0 | 27142330 |
| eCl@ss 9.0 | 27142330 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002308 |
| ETIM 6.0 | EC002301 |
| ETIM 7.0 | EC002301 |

Approvals

Approvals

Approvals

EAC / MID

Ex Approvals

Approval details

| | | |
|-----|--|--------------------------|
| EAC | | RU *- DE.A*30.B.01628 |
|-----|--|--------------------------|

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Approvals

| | |
|-----|-------------|
| MID | No. 305/MID |
|-----|-------------|

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