



ECP180D

**1 Phase kWhmeter direct 80A 2M S0 MID**

**Technical Features**

**Architecture**

|              |      |
|--------------|------|
| Type of pole | 1P+N |
|--------------|------|

**Electric current**

|               |      |
|---------------|------|
| Rated current | 80 A |
|---------------|------|

**Capacity**

|                   |   |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

**Connectivity**

|                    |                   |
|--------------------|-------------------|
| Type of connection | Direct connection |
|--------------------|-------------------|

**Dimensions**

|        |       |
|--------|-------|
| Height | 92 mm |
| Width  | 36 mm |
| Depth  | 60 mm |

**Equipment**

|                         |            |
|-------------------------|------------|
| Type of pulse generator | Electrical |
|-------------------------|------------|

**Compatibility**

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

**Connection**

|                                  |                         |
|----------------------------------|-------------------------|
| Cross-section of metering input  | 33 - 33 mm <sup>2</sup> |
| Cross-section of metering output | 33 - 33 mm <sup>2</sup> |

**Installation, mounting**

|                           |          |
|---------------------------|----------|
| Nominal tightening torque | 2 - 2 Nm |
| Mounting on               | DIN rail |

**Mechanical features**

|  |                |
|--|----------------|
| Nominal tightening torque digital terminal | 0.50 - 0.50 Nm |
|--|----------------|

**Measurement**

|                                |                    |
|--------------------------------|--------------------|
| Measuring system               | Direct measurement |
| Type of measuring instrument   | Electronic         |
| Current measurement range      | 0.25 - 80.0 A      |
| Measurement range voltage Ph-N | 92 - 276 V         |
| Frequency measuring range      | 45 - 65 Hz         |

**Power supply**

|                                   |   |
|-----------------------------------|---|
| Number of phases for power supply | 1 |
|-----------------------------------|---|

**Functions**

|                |                      |
|----------------|----------------------|
| Accuracy class | B                    |
| Tariff type    | T1...T2 (230 V AC)/- |
| Is calibrated  | Yes                  |

**Safety**

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

**Use conditions**

|                               |             |
|-------------------------------|-------------|
| Operating temperature         | -25 - 55 °C |
| Storage/transport temperature | -25 - 70 °C |

**Power**

|                           |      |
|---------------------------|------|
| Power consumption VA      | 2 VA |
| Total power loss under IN | 1 W  |

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**Electric current**

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|                                   |      |
|-----------------------------------|------|
| Maximum measuring circuit current | 80 A |
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**Frequency**

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|           |            |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

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**Sustainability**

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|                 |     |
|-----------------|-----|
| REACH-SVHC free | Yes |
|-----------------|-----|

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|              |     |
|--------------|-----|
| RoHS conform | Yes |
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