# Product data sheet

Specifications



## A9MEM3455 Meter, 3 Split Core 100A LVCTs, NEMA Type 4X Enclosure

EMKA934553L001014X

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Product or Component Type** | Energy meter kit |

## Complementary

| | |
|---|---|
| **Poles description** | 3P + N<br>1P + N<br>3P |
| **Type of measurement** | Active and reactive energy<br>Active and reactive power<br>Current<br>Voltage |
| **Metering type** | Active, reactive, apparent energy (signed, four quadrant) |
| **Device Application** | Sub billing<br>Multi-tariff<br>Partial meter |
| **Rated voltage** | 100…277 V +/- 20 %<br>173…480 V +/- 20 % |
| **Network Frequency** | 60 Hz<br>50 Hz |
| **Technology Type** | Electronic |
| **Display Type** | LCD display |
| **Current transformer type** | Split core balance |
| **Line Rated Current** | 100 A |
| **Measurement accuracy** | 1 % 10...100 % |
| **Enclosure mounting** | Wall mounted |
| **Communication port protocol** | Modbus RTU 9.6, 19.2 and 38.4 kbauds even/odd or none |
| **Communication port support** | Screw terminal block RS485 |
| **Local signalling** | Green indicator light power ON<br>Yellow flashing LED accuracy checking<br>alarm overload<br>Yellow indicator light communications are active on the Modbus port (Modbus) |
| **Mounting Mode** | Clip-on |
| **Mounting Support** | DIN rail |
| **Connections - terminals** | Current circuit screw terminals 0.009 in² (6 mm²)<br>Voltage circuit screw terminals 0.004 in² (2.5 mm²)<br>Input/output circuit screw terminals 0.002 in² (1.5 mm²)<br>Communication screw terminals 0.004 in² (2.5 mm²) |
| **Tightening torque** | Input/output circuit: 4.4 lbf.in (0.5 N.m) Philips screwdriver<br>Voltage circuit: 4.4 lbf.in (0.5 N.m) Philips screwdriver<br>Current circuit: 7.08 lbf.in (0.8 N.m) pozidriv screwdriver<br>Communication: 4.4 lbf.in (0.5 N.m) Philips screwdriver |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Provided equipment** | 1 energy meter<br>3 x 100 A current transformer<br>1 enclosure |
| **Product certifications** | ANSI<br>UL<br>CSA |

## Environment

| | |
|---|---|
| **NEMA Degree of Protection** | NEMA 4X |
| **Ambient air temperature for operation** | -13…158 °F (-25…70 °C) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10PL109775 |
| **Discount Schedule** | 0PL1 |
| **Returnability** | Yes |
| **Country of origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 9.0 in (22.8 cm) |
| **Package 1 Width** | 10.0 in (25.3 cm) |
| **Package 1 Length** | 10.0 in (25.3 cm) |
| **Package weight(Lbs)** | 9.947 lb(US) (4.512 kg) |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Better

#### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |

### Use Longer

#### Lifetime extension

| | |
|---|---|
| Repair | No |

### Use Again

#### Repack and remanufacture

| | |
|---|---|
| Take-back | No |