

# Product datasheet

Specifications

## energy sensor, PowerTag Flex 160A 3P/3P+N top and bottom position



A9MEM1580

**Price: 2,050.80 ZAR**

### Main

<b>Range of product</b>	PowerLogic
<b>Product name</b>	PowerTag F160
<b>Product or component type</b>	Energy sensor
<b>Poles</b>	3P 3P + N
<b>Maximum current [Imax]</b>	160 A
<b>[Ib] Basic current</b>	25 A
<b>Starting current</b>	100 mA
<b>Saturation current</b>	320 A
<b>Product specific application</b>	Energy management Overload alarm Power factor Load monitoring Circuit monitoring
<b>Concentrator compatibility</b>	EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal EcoStruxure Panel Server Advanced Harmony Hub Acti9 PowerTag Link Acti9 PowerTag Link HD
<b>Range compatibility</b>	Acti9 Acti9 C120 Acti9 Acti9 NG125 ComPacT ComPact NSXm TeSys TeSys GV4 ComPacT ComPacT INS Acti9 Acti9 iSW Acti9 Acti9 iSW-NA Acti9 Acti9 iID PowerPact PowerPact B
<b>Type of measurement</b>	Active and reactive energy Apparent energy Active and reactive power Apparent power Current Voltage Power factor Internal temperature Frequency
<b>Accuracy class</b>	Class 1 active energy conforming to IEC 61557-12 Class 2 reactive energy conforming to IEC 61557-12 Class 2 apparent energy conforming to IEC 61557-12 Class 1 active power conforming to IEC 61557-12 Class 2 reactive power conforming to IEC 61557-12 Class 2 apparent power conforming to IEC 61557-12 Class 1 current conforming to IEC 61557-12 Class 0.5 voltage conforming to IEC 61557-12 Class 1 power factor conforming to IEC 61557-12 Class 0.5 frequency conforming to IEC 61557-12

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Metering type</b>	Active energy E -a- IN/OUT 0...281 x 10exp(9) kWh at total per phase Active energy E -a- IN/OUT 0...281 x 10exp(9) kWh at partial per phase Active energy E -a- IN/OUT 0...281 x 10exp(9) kWh at 3-phase total Active energy E -a- IN/OUT 0...281 x 10exp(9) kWh at 3-phase partial Reactive energy E -rA- IN/OUT 0...281 x 10exp(9) kVARh at total per phase Reactive energy E -rA- IN/OUT 0...281 x 10exp(9) kVARh at partial per phase Reactive energy E -rA- IN/OUT 0...281 x 10exp(9) kVARh at 3-phase total Reactive energy E -rA- IN/OUT 0...281 x 10exp(9) kVARh at 3-phase partial Apparent energy E -apA- 0...281 x 10exp(9) kVAh at total per phase Apparent energy E -apA- 0...281 x 10exp(9) kVAh at partial per phase Apparent energy E -apA- 0...281 x 10exp(9) kVAh at 3-phase total Apparent energy E -apA- 0...281 x 10exp(9) kVAh at 3-phase partial Active power P, P1, P2, P3 Reactive power Q, Q1, Q2, Q3 Apparent power S, S1, S2, S3 Current I1, I2, I3 Calculated neutral current Voltage U12, U23, U31 Voltage V1N, V2N, V3N Frequency 45...65 Hz Power factor at per phase Power factor at total
<b>Mounting location</b>	Top or bottom
<b>Mounting support</b>	Cables
<b>Connection pitch</b>	27 mm
<b>Product destination</b>	Switchboard
<b>Event management</b>	Voltage loss with measured current at voltage loss
<b>Transmission support medium</b>	Radio frequency 2.4...2.4835 GHz conforming to IEEE 802.15.4
<b>Emission power</b>	10 mW

## Complementary

<b>Form factor</b>	Flex
<b>Mounting mode</b>	Free mounting
<b>Electrical connection (voltage sensing &amp; power supply)</b>	Removable spring terminal block
<b>Cable cross section</b>	1 rigid cable 0.2...1.5 mm <sup>2</sup> without cable end 1 stranded cable 0.2...2.5 mm <sup>2</sup> without cable end 1 stranded cable 0.25...1.5 mm <sup>2</sup> with cable end
<b>Wire stripping length</b>	11 mm
<b>max power cable diameter</b>	17 mm
<b>supply voltage</b>	100...277 V AC, +/- 20 %, phase to neutral 173...480 V AC, +/- 20 %, phase to phase
<b>Network frequency</b>	50 Hz 60 Hz
<b>Maximum power consumption</b>	3 VA
<b>Standards</b>	IEC 61557-12 IEC 61010-1 ETSI EN 301 489-1 IEC 61010-2-030 IEC 61326-1 ETSI EN 300 328
<b>Product certifications</b>	UL listed IEC DNV Marine
<b>Height</b>	39 mm
<b>Width</b>	91 mm
<b>Depth</b>	62 mm

Net weight	80 g
Colour	White (RAL 9003)

## Environment

Quality labels	CE
Directives	2014/53/EU - radio equipment directive
Operating altitude	0...2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Overvoltage category	IV conforming to IEC 61010-1
Measurement category	Category IV conforming to IEC 61010-2-030
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK05
Pollution degree	3
Relative humidity	0...95 % at 55 °C conforming to IEC 60721-3-3
Vibration resistance	3M4 conforming to IEC 60721-3-3
Electromagnetic compatibility	Industrial electromagnetic environment conforming to IEC 61326-1 Radiated EMC conforming to ETSI EN 301 489-17 Electromagnetic emission conforming to IEC 62311
environmental characteristics	Indoor use

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.900 cm
Package 1 Width	11.400 cm
Package 1 Length	8.400 cm
Package 1 Weight	135.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.624 kg

## Contractual warranty

Warranty (in months)	18
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## 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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint

19

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Compliant with Exemptions

SCIP Number

1ef20640-68d7-4302-8081-3ea9af5fa83c

REACH Regulation

[REACH Declaration](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture


End of life manual availability

[End of Life Information](#)

Take-back

No

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Dimensions

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