



PowerLogic™ PowerTag Energy series

PowerTag Energy is a wireless-communication energy sensor.

PowerTag Energy is designed specifically for Energy Management, Load Monitoring and Power Availability applications. Associated to a concentrator or a gateway, PowerTag Energy provides a full wireless class 1 solution, as per IEC 61557-12, to monitor energy at any level of a distribution panel.

Applications:

- Monitors your electrical installation from main incomer down to load level
- Suitable for various businesses, buildings, industrial and residential applications with easy integration in upper systems
- Supports and enables Energy Efficiency programs and standards such as:
 - European Energy Efficiency Directive (EED)
 - Energy Performance of Buildings Directive (EPBD)
 - IEC 60364-8-1 "Low Voltage Electrical installations - Energy Efficiency"
 - EN 17267 "Energy Measurement and Monitoring plan"
 - ISO 50001 "Energy Management System"



PowerTag Energy
Flex 63 A (F63)



PowerTag Energy
PhaseNeutral 63 A (P63)



PowerTag Energy Flex 160 A (F160)



PowerTag Energy
Monoconnect 63 A (M63)



PowerTag Energy Monoconnect 250 A (M250)



PowerTag Energy Rope 2000 A (R2000)

PowerTag Energy

The solution for

Markets that benefit from a solution that includes PowerLogic™ PowerTag Energy series:

- Residential
- Small business
- Medium & large buildings
- Industrial sites

Benefits

PowerTag Energy sensor incorporates all features required to perform accurate real-time measurements (U, V, I, P, PF) and energy values up to 2000 A.

Different designs of PowerTag Energy are available to ensure it fits the protective device on which it is mounted.

- PowerTag Energy Monoconnect (M): can be mounted directly on the device, no additional wiring is required
- PowerTag Energy PhaseNeutral (P): for DIN offers with 9 mm pitch between phase and neutral
- PowerTag Energy Flex (F): can be mounted on a wide range of protective devices thanks to its design
- PowerTag Energy Rope (R) thanks to its openable current sensors can be easily installed on busbars or wires in new installations and in retrofit applications

PowerTag Energy sensor is acting as an autonomous meter. Energy counters are stored inside PowerTag Energy sensor.

Energy management system

To get the most effective use from your Schneider Electric measurement and metering devices, we offer a range of dedicated gateways / concentrators depending on your application.

Advantages

- Wireless-communication
- Range up to 2000 A
- Voltage loss alarming
- Class 1 accuracy
- Compact design
- Easy installation and commissioning
- Scalable solution
- Perfect for retrofit or new panels

Conformity of standards

- IEC 61557-12
- IEC 61010-1
- IEC 61010-2-030
- IEC 61326-1 (Industrial Environment)
- IEC 62311
- ETSI EN 300 328
- ETSI EN 301 487-1
- ETSI EN 301 489-17 (Radiated EMC)



Feature selection

	A9MEM15••	A9MEM15••	A9MEM15••	A9MEM1580	LV434020/LV434021
Product name	M63	P63	F63	F160	M250
Max current (I Max) A	63	63	63	160	250
Basic current (Ib) A	10	10	10	25	40
Starting current (Ist)	40 mA	40 mA	40 mA	100 mA	160 mA
Design	Monoconnect	PhaseNeutral	Flex	Flex	Monoconnect
Mounting type	On device	On device	On wires	On wires	On device
Current sensors type	Solid core	Solid core	Solid core	Solid core	Solid core
Poles	1P + W / 1P+N / 3P / 3P+N	1P+N / 3P+N	1P+N / 3P / 3P+N	3P / 3P+N	3P / 3P+N
Self-powered	■	■	■	■	■
Voltage (L-N)	Depends on ref	200 - 240 V AC	Depends on ref	100 - 277 V AC	230 V AC
Measurements*					
Nb quadrant	2	2	2	4	4
Active Energy	Class 1	Class 1	Class 1	Class 1	Class 1
Reactive Energy				■	■
Apparent Energy				■	
Active Power	■	■	■	■	■
Reactive Power				■	■
Apparent Power	■	■	■	■	■
Power Factor	■	■	■	■	■
Frequency				■	■
Current and Voltage	■	■	■	■	■

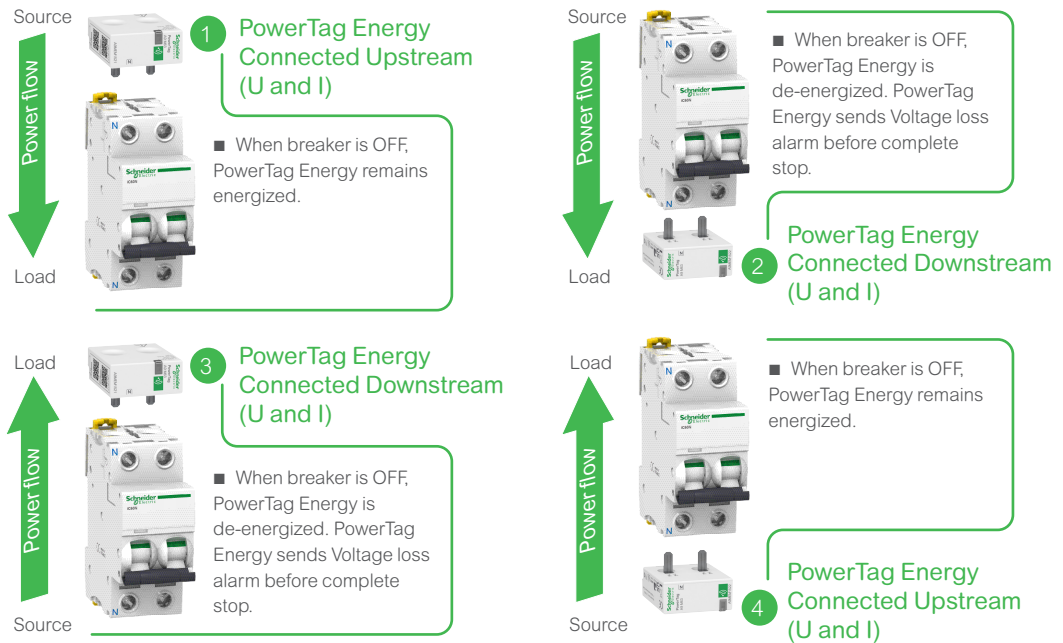
* Data availability depending on the concentrator / gateway

	LV434022/LV434023	A9MEM1590	A9MEM1591	A9MEM1592	A9MEM1593
Product name	M630	R200	R600	R1000	R2000
Max current (I Max) A	630	200	600	1000	2000
Basic current (Ib) A	100	100	100	150	300
Starting current (Ist)	400 mA	120 mA	400 mA	600 mA	1.2 A
Design	Monoconnect	Rope	Rope	Rope	Rope
Mounting type	On device	On wires	On wires	On wires	On wires
Current sensors type	Solid core	Split core	Split core	Split core	Split core
Poles	3P / 3P+N	3P / 3P+N	3P / 3P+N	3P / 3P+N	3P / 3P+N
Self-powered	■	■	■	■	■
Voltage (L-N)	230 V AC	100 - 277 V AC	100 - 277 V AC	100 - 277 V AC	100 - 277 V AC
Measurements*					
Nb quadrant	4	4	4	4	4
Active Energy	Class 1	Class 1	Class 1	Class 1	Class 1
Reactive Energy	■	■	■	■	■
Apparent Energy		■	■	■	■
Active Power	■	■	■	■	■
Reactive Power	■	■	■	■	■
Apparent Power	■	■	■	■	■
Power Factor	■	■	■	■	■
Frequency	■	■	■	■	■
Current and Voltage	■	■	■	■	■

* Data availability depending on the concentrator / gateway



Connection possibilities



Note:

- In association with a contactor, a Variable Speed Drive or a motor starter: PowerTag Energy can ONLY be installed UPSTREAM these devices.
- Some PowerTag Energy can be installed either on the TOP or on the BOTTOM of the protective devices.
- Check the possible mounting position as indicated in the "Catalog numbers" chapter.

Connection (Voltage and Current)	Features
Upstream	1 4 - Energy management: consumption in kWh - Load monitoring: real-time measurements
Downstream Preferred installation to take full benefit of voltage loss alarming in diagnosing the load	2 3 - Energy management: consumption in kWh - Load monitoring: real-time measurements - Power availability: voltage loss alarming

Main associated concentrators / gateways (*)

For Commercial & Building applications

EcoStruxure™ Panel Server	SpaceLogic
PAS400 PAS600	SWP/DCF12A10002
PAS400, PAS600, PAS600L with Cloud and SCADA	Automation Server V3 Premium

For Small Business applications

EcoStruxure™ Panel Server	Wiser Home Hub Wiser Hub	Harmony Hub	EcoStruxure™ Panel Server
PAS400 PAS800	CCT501801 CCT501901	ZBRN1	PAS600
PAS400, PAS600, PAS600L with Cloud	PAS800, PAS800L standalone	ZBRN1, ZBRN2, ZBRN32	PAS600, PAS600L

(*) Refer to Selection Guide for complete compatibility (CA908058)





PowerLogic™ PowerTag Energy 63 A

IEC 61557-12 PMD-I/DD/K55/1

As per the above standard:

With its compact design and innovative concept, PowerTag Energy 63 A fits directly on the protective device and as a result has no impact on DIN rail occupancy and switchboard size.

It is therefore well adapted to be mounted from head of group down to final circuits.

Since voltage and current are measured directly at the same point on the circuit to be monitored, it provides accurate measurement and relevant information such as voltage loss.

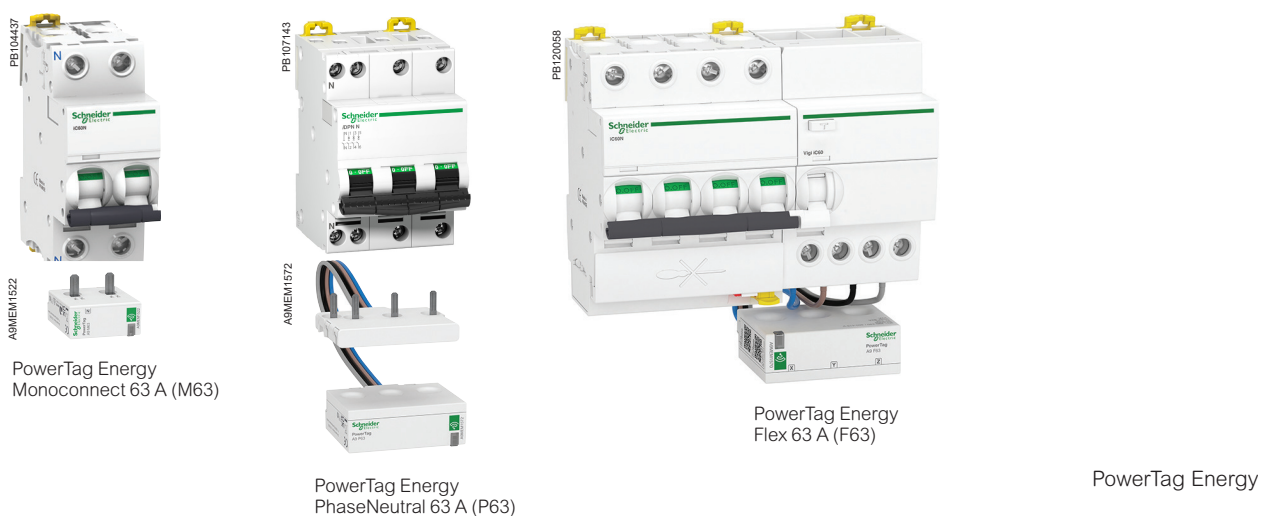
PowerTag Energy is compatible with SE product ranges as per the selection guide CA908058.

Main characteristics

PowerTag Energy measures the following values in accordance with the IEC 61557-12 standard PMD-I/DD/K55/1:

- Energy:
 - Active energy (kWh): total and partial, delivered and received.
- Real-time measurement values:
 - Voltages (V): phase-to-phase and phase-to-neutral.
 - Currents (A): per phase.
 - Power:
 - Active power (W): total and per phase.
 - Apparent power (VA): total.
 - Power factor.
- Voltage loss alarms:
 - PowerTag Energy sends a “voltage loss” alarm and the current-per-phase value before being de-energized.
 - At “voltage loss”, PowerTag Energy adds an overload alarm if the current is higher than the rated current of the associated protective device.

Note: Functions listed above depends on Concentrator/Gateway.





Product selection

Neutral position

Some references of PowerTag Energy 63 A (Monoconnect and PhaseNeutral) exist in Top or Bottom version.

This is linked to the position of the neutral of the PowerTag Energy.



PowerTag Energy "Top"

- Designed to be mounted on the Top of the circuit breaker.



- Designed to be mounted on the Bottom of the circuit breaker.

PowerTag Energy "Bottom"

Note:

- Some PowerTag Energy can be installed either on the TOP or on the BOTTOM of the protective devices.
- Check the possible mounting position as indicated in the "Catalog numbers" chapter.
- In association with a contactor, a Variable Speed Drive or a motor starter: PowerTag Energy can ONLY be installed UPSTREAM these devices.

Number of poles

Choose the PowerTag Energy according to the number of poles of the protective device: one PowerTag Energy per protective device.

Ex.: 3 Pole PowerTag Energy 63 A for a 3 pole CB.





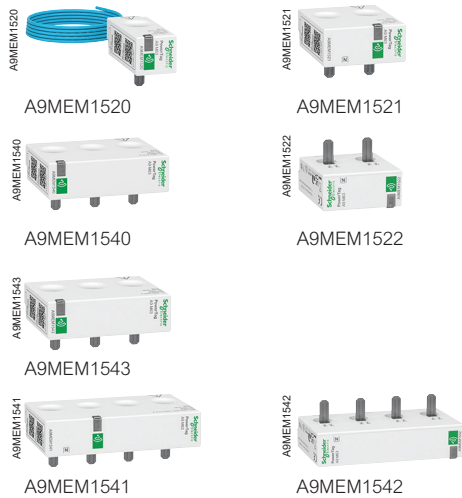
PowerLogic™ PowerTag Energy 63 A

Technical specifications

Main characteristics				
Rated voltage	1P+N / 1P+W	Un	Phase-to-neutral	200... 240 V AC ± 20 %
	3P	Un	Phase-to-phase	380... 415 V AC ± 20 %
	3P+N	Un	Phase-to-neutral	220... 240 V AC ± 20 %
			Phase-to-phase	380... 415 V AC ± 20 %
	A9MEM1543	Un	Phase-to-phase	200... 240 V AC ± 20 %
	A9MEM1564	Un	Phase-to-neutral	100... 127 V AC ± 20 %
	A9MEM1574	Un	Phase-to-neutral	120... 137 V AC ± 20 %
			Phase-to-phase	208... 240 V AC ± 20 %
A9MEM1575	Un	Phase-to-phase	480 V AC ± 20 %	
Frequency				50/60 Hz
Maximum current		Imax		63 A
Basic current		Ib		10 A
Saturation current				130 A
Maximum consumption			1P+N	≤ 1 VA
			3P/3P+N	≤ 2 VA
Starting current		Ist	40 mA	
Additional characteristics				
Operating temperature				-25°C to +60°C
Storage temperature				-40°C to +85°C
Overvoltage category			As per IEC 61010-1	Cat. III
Measuring category			As per IEC 61010-2-030	Cat. III
Pollution degree				3
Altitude				≤ 2000 m
Degree of protection			Device only	IP20
			IK	05
Radio-frequency communication				
ISM band 2.4 GHz				2.4 GHz to 2.4835 GHz
Channels			As per IEEE 802.15.4	11 to 26
Isotropic Radiated Power			Equivalent (EIRP)	0 dBm
Maximum transmission time				< 5 ms
Channel occupancy			Messages sent every	5 seconds minimum
Characteristics of measuring functions				
Function	Symbol	Performance category as per IEC 61557-12 (PMD-I/DD/K55/1)		Device measuring range
		Class		
Active power	P	1		9 W to 63 kW
Active energy	Ea	1		Total and partial 0 to 99999999.9 kWh
Current	I	1		40 mA to 63 A
Voltage	U	0.5		Un ± 20 %
Power factor	PFA	1		0 to 1



PowerLogic™ PowerTag Energy 63 A

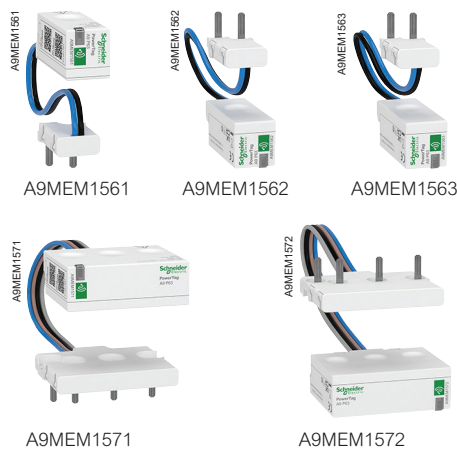


PowerTag Energy Monoconnect 63 A Commercial reference numbers

PowerTag Energy for Acti9 and Multi9 **Monoconnect** offers: «Single-terminal» circuit breakers, RCDs and switches with **18 mm pitch between phase and neutral**, rating less than or equal to 63 A.

Commercial reference no.	Type	Mounting	Description	Certification
A9MEM1520	1P+wire	Top or bottom	M63 1PW	DNV
A9MEM1521	1P+N	Top	M63 1PN T	DNV
A9MEM1522		Bottom	M63 1PN B	DNV
A9MEM1540	3P	Top or bottom	M63 3P	DNV
A9MEM1543			M63 3P 230V LL	DNV
A9MEM1541	3P+N	Top	M63 3PN T	DNV
A9MEM1542		Bottom	M63 3PN B	DNV

Designed to fit the following devices: iC60, Reflex iC60, DT60, IID.
Check the Concentrators /Gateways compatibility and the list of Schneider Electric compatible devices with the selection guide CA908058.

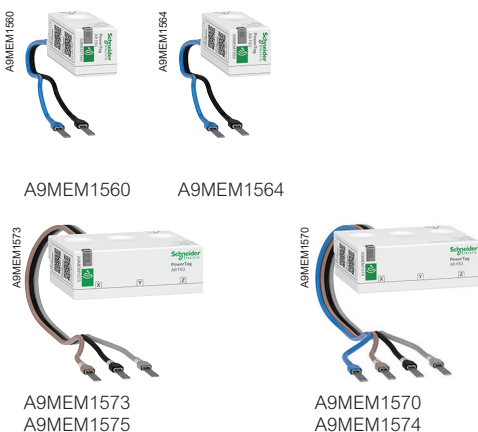


PowerTag Energy PhaseNeutral 63 A Commercial reference numbers

PowerTag Energy for Acti9 and Multi9 **PhaseNeutral** offers: «Single-terminal» circuit breakers, RCDs and switches at **pitch of 9 mm between phase and neutral**, rating less than or equal to 63 A.

Commercial reference no.	Type	Mounting	Description	Certification
A9MEM1561	1P+N	Top	P63 1PN T	DNV
A9MEM1562	1P+N	Bottom	P63 1PN B	DNV
A9MEM1563	1P+N RCBO	Bottom	P63 1PN B RCBO 18mm	DNV
A9MEM1571	3P+N	Top	P63 3PN T	DNV
A9MEM1572	3P+N	Bottom	P63 3PN B	DNV

Designed to fit the following devices: DT40, iDPN, C40, iDPN Vigi.
Check the Concentrators /Gateways compatibility and the list of Schneider Electric compatible devices with the selection guide CA908058.



PowerTag Energy Flex 63 A Commercial reference numbers

PowerTag Energy **Flex** for other devices and specific installations, rating less than or equal to 63 A.

Commercial reference no.	Type	Mounting	Description	Certification
A9MEM1560	1P+N	Top or bottom	F63 1PN	DNV
A9MEM1564	1P+N	Top or bottom	F63 1PN 110V	DNV
A9MEM1573	3P	Top or bottom	F63 3P	DNV
A9MEM1575	3P	Top or bottom	F63 3P 480V LL IEC/UL	UL LISTED
A9MEM1570	3P+N	Top or bottom	F63 3PN	DNV
A9MEM1574	3P+N	Top or bottom	F63 3PN 127/220V	DNV

Designed to fit the following devices: Vigi iDT40, Vigi iC40, Vigi iC60, iC60 double terminal, IID double terminal.
Check the Concentrators /Gateways compatibility and the list of Schneider Electric compatible devices with the selection guide CA908058.

Contact your Schneider Electric representative for complete ordering information.



PowerLogic™

PowerTag Energy Flex 160 A

IEC 61557-12 PMD-II/DD/K70/1

As per the above standard:

With its flex design this PowerTag Energy can be used on many products or group of loads up to 160 A on 3P or 3P+N networks. Its removable spring connector for voltage picking facilitates its installation, and shapes for brackets allows to mount and maintain it where needed in a panel.

Main characteristics

PowerTag Energy Flex 160 A measures the following values in accordance with the IEC 61557-12 standard PMD-II/DD/K70/1:

- Energy (4 quadrants):
 - Active energy (kWh): total and partial, delivered and received.
 - Active energy per phase (kWh): total and partial, delivered and received.
 - Reactive energy (kVARh): total and partial, delivered and received.
 - Reactive energy per phase (kVARh): total and partial, delivered and received.
 - Apparent energy (kVAh): total and partial.
 - Apparent energy per phase (kVAh): total and partial.
- Real-time measurement values:
 - Voltages (V): phase-to-phase (U12, U23, U31) and phase-to-neutral (V1N, V2N, V3N).
 - Currents (A): per phase (I1, I2, I3), calculated neutral current when connected (IN) .
 - Power:
 - Active power (W): total and per phase.
 - Reactive power (VAR): total and per phase.
 - Apparent power (VA): total and per phase.
 - Frequency (Hz).
 - Power factor: total and per phase.
- Voltage loss alarms:
 - PowerTag Energy Flex sensor sends a “voltage loss” alarm and the current-per-phase value before being de-energized.
 - At “voltage loss”, PowerTag Energy Flex adds an overload alarm if the current is higher than the rated current of the associated protective device

Note: Functions listed above depends on Concentrator/Gateway.



PowerTag Energy Flex 160 A

PowerTag Energy



Installation

PowerTag Energy Flex 160 A can be installed in a panel directly on cables or busbars, associated to a product or not. Voltage pickings removable spring terminal has to be wired by 1 copper wire per phase with following characteristics:

Wire range

Solid	Stranded	Stranded with terminal ends
0.2...1.5 mm ²	0.2...2.5 mm ²	0.25...1.5 mm ²
24...16 AWG	24...14 AWG	24...16 AWG

Neutral picking shall be connected to have phase-to-neutral voltages, energy per phase and power per phase provided.

PowerTag Energy Flex 160 A is mainly advised for ComPact NSXm, ComPact INS160, Acti9 NG125, Acti9 C120, PowerPact B, TeSys GV4, and all other devices with a rating between 63 A and 160 A.





PowerLogic™ PowerTag Energy Flex 160 A

Technical specifications

Main characteristics (as per IEC 61557-12)			
Rated voltage	Un	Phase-to-neutral	100...277 VAC ± 20 %
		Phase-to-phase	173...480 VAC ± 20 %
Frequency			50/60 Hz
Maximum current	I _{max}		160 A
Maximum operating current			1.2 x I _{max}
Saturation current			2 x I _{max}
Maximum consumption			3 VA
Starting current	I _{st}		100 mA
Basic current	I _b		25 A
Additional characteristic			
Operating temperature			-25 °C to +70 °C
Storage temperature			-40 °C to +85 °C
Overvoltage category		As per IEC 61010-1	Cat. IV
Measuring category		As per IEC 61010-2-030	Cat. IV
Pollution degree			3
Altitude			Up to 2000 m without derating ⁽¹⁾
Degree of protection device			IP20
			IK05
Radio-frequency communication			
ISM band 2.4 GHz			2.4 GHz to 2.4835 GHz
Channels		As per IEEE 802.15.4	11 to 26
Isotropic Radiated Power		Equivalent (EIRP)	0 dBm
Maximum transmission time			< 5 ms
Channel occupancy		For 1 device	messages sent every 5 seconds
Characteristics of measuring functions			
Function	Symbol	Performance category as per IEC 61557-12 (PMD-II/DD/K70/1)	Device measuring range
		Class	
Total active power (Active power per phase)	P	1	24 W (8 W) to 192 kW
Total reactive power (Reactive power per phase)	Q _A	2	30 VAR (10 VAR) to 192 kVAR
Total apparent power (Apparent power per phase)	S _A	2	38 VA (13 VA) to 192 kVA
Active Energy: per phase, total, partial, delivered and received	E _a	1	0 to 281.10 ⁹ kWh
Reactive energy: per phase, total, partial, delivered and received	E _{rA}	2	0 to 281.10 ⁹ kVARh
Apparent energy: per phase, total, partial	E _{apA}	2	0 to 281.10 ⁹ kVAh
Frequency	f	0.5	45 to 65 Hz
Phase current	I	1	100 mA to 320 A
Neutral current	I _{NC}	2	
Voltages (Line to Line)	U	0.5	138 to 576 VAC
Power factor (per phase, total)	PF _A	1	-1 to 1

(1) Above 2000 m, please consult us.



PowerLogic™ PowerTag Energy Flex 160 A



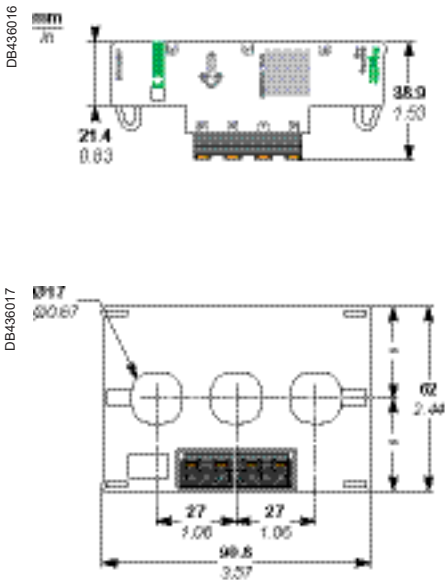
A9MEM1580

PowerTag Energy Flex 160 A Commercial reference numbers

Commercial reference number	Type	Description	Certification
A9MEM1580	F160 3P/3P+N	Flex 160 A 3P / 3P+N	DNV

Check the Concentrators /Gateways compatibility and the list of Schneider Electric compatible devices with the selection guide CA908058.

PowerTag Energy Flex 160 A dimensions



PowerTag Energy Flex 160 A weight

Type	Weight (g)
F160 3P/3P+N	100

Contact your Schneider Electric representative for complete ordering information.
Please refer to PowerTag Energy Flex 160 A Installation Sheet for accurate and complete information on the installation of this product.



PowerLogic™ PowerTag Energy Rope 200 A to 2000 A

IEC 61557-12 PMD-II/DD/K70/1

As per the above standard:

With its flexible and openable current sensors, this PowerTag Energy Rope can be installed easily on busbars and cables without having to disconnect the conductors, and is suitable for 3P or 3P+N networks. Its removable spring connector for voltage picking facilitates its installation, and the module can be mounted on a DIN rail or maintained with brackets where needed in a panel.

Main characteristics

PowerTag Energy Rope measures the following values in accordance with the IEC 61557-12 standard PMD-II/DD/K70/1:

- Energy (4 quadrants):
 - Active energy (kWh): total and partial, delivered and received.
 - Active energy per phase (kWh): total and partial, delivered and received.
 - Reactive energy (kVARh): total and partial, delivered and received.
 - Reactive energy per phase (kVARh): total and partial, delivered and received.
 - Apparent energy (kVAh): total and partial.
 - Apparent energy per phase (kVAh): total and partial.
- Real-time measurement values:
 - Voltages (V): phase-to-phase (U12, U23, U31) and phase-to-neutral (V1N, V2N, V3N).
 - Currents (A): per phase (I1, I2, I3), calculated neutral current when connected (IN).
 - Power:
 - Active power (W): total and per phase.
 - Reactive power (VAR): total and per phase.
 - Apparent power (VA): total and per phase.
 - Frequency (Hz).
 - Power factor: total and per phase.
- Voltage loss alarms:
 - PowerTag Energy Rope sensor sends a “voltage loss” alarm and the current-per-phase value before being de-energized.
 - At “voltage loss”, PowerTag Energy Rope adds an overload alarm if the current is higher than the rated current of the associated protective device.

Note: Functions listed above depends on Concentrator/Gateway.



PowerTag Energy Rope

PowerTag Energy



Installation

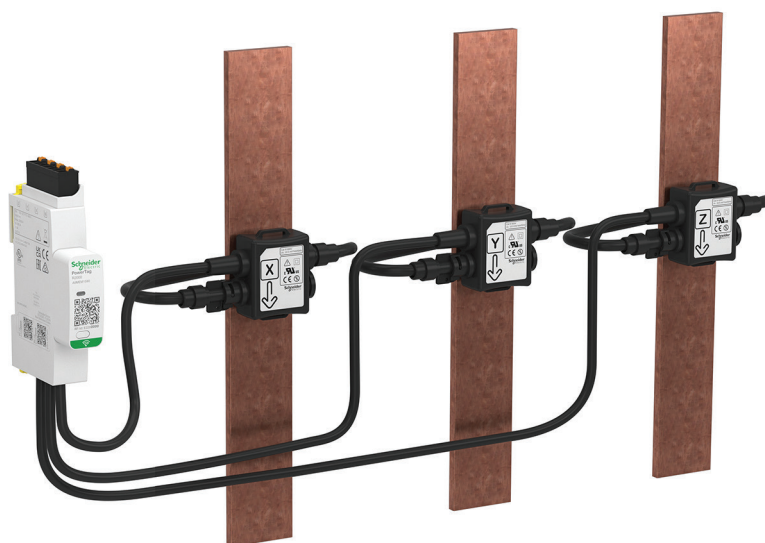
PowerTag Energy Rope 18 mm module can be mounted on DIN rail or fastened with brackets anywhere in a panel. Then its openable current sensors have to be installed around conductors, cables or busbars, whatever they are insulated or not. Voltage pickings removable spring terminal has to be wired by 1 copper wire per phase with following characteristics:

Wire range

Solid	Stranded	Stranded with terminal ends
0.2...1.5 mm ²	0.2...2.5 mm ²	0.25...1.5 mm ²
24...16 AWG	24...14 AWG	24...16 AWG

Neutral picking shall be connected to have phase-to-neutral voltages, energy per phase and power per phase provided.

PowerTag Energy Rope is mainly advised for ComPact NS, MasterPact NT and NW, MasterPact MTZ NA and HA, for retrofit, for group of loads, and for all other devices with a rating up to 2000 A.





PowerLogic™ PowerTag Energy Rope 200 A to 2000 A

Technical specifications

Main characteristics (as per IEC 61557-12)			
Rated voltage	Un	Phase-to-neutral	100...277 VAC ± 20 %
		Phase-to-phase	173...480 VAC ± 20 %
Frequency			50/60 Hz
Maximum current	I _{max}		200 A / 600 A / 1000 A / 2000 A
Maximum operating current			1.2 x I _{max}
Saturation current			2 x I _{max}
Maximum consumption			3 VA
Starting current	I _{st}		120 mA / 400 mA / 600 mA / 1.2 A
Basic current	I _b		30 A / 100 A / 150 A / 300 A
Additional characteristic			
Operating temperature			-25 °C to +70 °C
Maximum primary conductor temperature			105 °C ⁽²⁾
Storage temperature			-40 °C to +85 °C
Overvoltage category		As per IEC 61010-1	Cat. IV
Measuring category		As per IEC 61010-2-030	Cat. IV
Pollution degree			3
Altitude			Up to 2000 m without derating ⁽¹⁾
Degree of protection device			IP20 (IP40 front face)
			IK05
Radio-frequency communication			
ISM band 2.4 GHz			2.4 GHz to 2.4835 GHz
Channels		As per IEEE 802.15.4	11 to 26
Isotropic Radiated Power		Equivalent (EIRP)	0 dBm
Maximum transmission time			< 5 ms
Channel occupancy		For 1 device	messages sent every 5 seconds
Characteristics of measuring functions			
Function	Symbol	Performance category as per IEC 61557-12 (PMD-II/DD/K70/1)	Device measuring range (200 A / 600 A / 1000 A / 2000 A)
		Class	
Total active power (Active power per phase)	P	1	29 W (10 W) to 240 kW / 96 W (32 W) to 720 kW / 144 W (48 W) to 1200 kW / 288 W (96 W) to 2400 kW
Total reactive power (Reactive power per phase)	Q _A	2	36 VAR (12 VAR) to 240 kVAR / 120 VAR (40 VAR) to 720 kVAR / 180 VAR (60 VAR) to 1200 kVAR / 360 VAR (120 VAR) to 2400 kVAR
Total apparent power (Apparent power per phase)	S _A	2	46 VA (15 VA) to 240 kVA / 154 VA (51 VA) to 720 kVA / 231 VA (77 VA) to 1200 kVA / 461 VA (154 VA) to 2400 kVA
Active Energy: per phase, total, partial, delivered and received	E _a	1	0 to 281.10 ⁹ kWh
Reactive energy: per phase, total, partial, delivered and received	E _{rA}	2	0 to 281.10 ⁹ kVARh
Apparent energy: per phase, total, partial	E _{apA}	2	0 to 281.10 ⁹ kVAh
Frequency	f	0.5	45 to 65 Hz
Phase current	I	1	120 mA to 400 A / 400 mA to 1200 A / 600 mA to 2000 A / 1.2 A to 4000 A
Neutral current	I _{NC}	2	
Voltages (Line to Line)	U	0.5	138 to 576 VAC
Power factor (per phase, total)	PF _A	1	-1 to 1

(1) Above 2000 m, please consult us.

(2) For higher value, please consult us.



PowerLogic™ PowerTag Energy Rope 200 A to 2000 A



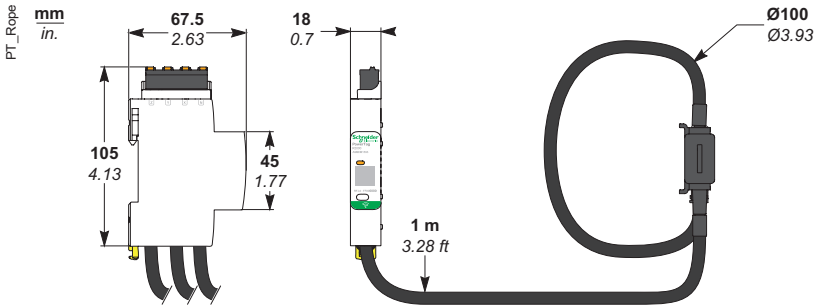
A9MEM1590●

PowerTag Energy Rope 200 A to 2000 A Commercial reference numbers

Commercial reference number	Type	Description	Certification
A9MEM1590	R200 3P/3P+N	Rope 200 A 3P / 3P+N	DNV
A9MEM1591	R600 3P/3P+N	Rope 600 A 3P / 3P+N	DNV
A9MEM1592	R1000 3P/3P+N	Rope 1000 A 3P / 3P+N	DNV
A9MEM1593	R2000 3P/3P+N	Rope 2000 A 3P / 3P+N	DNV

Check the Concentrators /Gateways compatibility and the list of Schneider Electric compatible devices with the selection guide CA908058.

PowerTag Energy Rope 200 A to 2000 A dimensions



PowerTag Energy Rope 200 A to 2000 A weight

Type	Weight (g)
R200 3P/3P+N	360
R600 3P/3P+N	
R1000 3P/3P+N	
R2000 3P/3P+N	

Contact your Schneider Electric representative for complete ordering information.
Please refer to PowerTag Energy Rope 200 A to 2000 A Installation Sheet for accurate and complete information on the installation of this product.

PowerLogic™ PowerTag Energy

Selection guide for concentrators / gateways compatibility*

Concentrators / gateways

   					
PowerTag Energy M63					
	A9MEM1520	✓	-	✓	✓
	A9MEM1521	✓	-	✓	✓
	A9MEM1522	✓	-	✓	✓
	A9MEM1540	✓	-	✓	✓
	A9MEM1541	✓	-	✓	✓
	A9MEM1542	✓	-	✓	✓
	A9MEM1543	✓	-	-	✓
PowerTag Energy M63 Resi9					
	R9M20	-	-	-	-
	R9M21	-	-	-	-
	R9M22	-	-	-	-
	R9M40	-	-	-	-
	R9M41	-	-	-	-
	R9M42	-	-	-	-
	R9M43	-	-	-	-
PowerTag Energy P63					
	A9MEM1561	✓	-	✓	✓
	A9MEM1562	✓	-	✓	✓
	A9MEM1563	✓	-	✓	✓
	A9MEM1571	✓	-	✓	✓
	A9MEM1572	✓	-	✓	✓
PowerTag Energy F63					
	A9MEM1560	✓	✓	✓	✓
	A9MEM1564	✓	-	-	✓
	A9MEM1570	✓	✓	✓	✓
	A9MEM1573	✓	✓	-	✓
	A9MEM1574	✓	-	-	✓
	A9MEM1575	✓ (1)	-	-	-
PowerTag Energy F63 Resi9					
	R9M60	-	-	-	-
	R9M70	-	-	-	-

(1) From firmware release 2.4

(2) Discontinued Product

(*) Refer to the product catalog for technical characteristics

PowerLogic™ PowerTag Energy

Selection guide for concentrators / gateways compatibility*

Concentrators / gateways

		 	
		Wiser Home Hub CCT501801	Wiser Hub CCT501901
PowerTag Energy M63			
	A9MEM1520	✓	-
	A9MEM1521	✓	-
	A9MEM1522	✓	-
	A9MEM1540	✓	-
	A9MEM1541	✓	-
	A9MEM1542	✓	-
	A9MEM1543	✓	-
PowerTag Energy M63 Resi9			
	R9M20	✓	✓
	R9M21	✓	✓
	R9M22	✓	✓
	R9M40	✓	✓
	R9M41	✓	✓
	R9M42	✓	✓
	R9M43	✓	✓
PowerTag Energy P63			
	A9MEM1561	✓	-
	A9MEM1562	✓	-
	A9MEM1563	✓	-
	A9MEM1571	✓	-
	A9MEM1572	✓	-
PowerTag Energy F63			
	A9MEM1560	✓	✓
	A9MEM1564	-	-
	A9MEM1570	✓	✓
	A9MEM1573	-	-
	A9MEM1574	-	-
	A9MEM1575	-	-
PowerTag Energy F63 Resi9			
	R9M60	✓	✓
	R9M70	✓	✓

(*) Refer to the product catalog for technical characteristics

PowerLogic™ PowerTag Energy

Selection guide for concentrators / gateways compatibility*

Concentrators / gateways

					
		EcoStruxure™ Panel Server Entry, Universal and Advanced PAS400, PAS600/600L, PAS800●	Harmony Hub ZBRN1 ZBRN2 ZBRN32	Smartlink SI B A9XMZA08 ⁽²⁾ Smartlink SI D A9XMWA20 ⁽²⁾	PowerTag Link A9XMWD20 ⁽²⁾ PowerTag Link HD A9XMWD100 ⁽²⁾
PowerTag Energy F160					
	A9MEM1580	✓	✓	-	✓
PowerTag Energy M250-M630					
	LV434020	✓	✓	✓	✓
	LV434021	✓	✓	✓	✓
	LV434022	✓	✓	✓	✓
	LV434023	✓	✓	✓	✓
PowerTag Energy R200-R600-R1000-R2000					
	A9MEM1590	✓	✓	-	✓
	A9MEM1591	✓	✓	-	✓
	A9MEM1592	✓	✓	-	✓
	A9MEM1593	✓	✓	-	✓

(2) Discontinued Product

(*) Refer to the product catalog for technical characteristics

PowerLogic™ PowerTag Energy

Selection guide for concentrators / gateways compatibility*

Concentrators / gateways

			
		Wiser Home Hub CCT501801	Wiser Hub CCT501901
PowerTag Energy F160			
	A9MEM1580	-	-
PowerTag Energy M250-M630			
	LV434020	-	-
	LV434021	-	-
	LV434022	-	-
	LV434023	-	-
PowerTag Energy R200-R600-R1000-R2000			
	A9MEM1590	-	-
	A9MEM1591	-	-
	A9MEM1592	-	-
	A9MEM1593	-	-

(*) Refer to the product catalog for technical characteristics